BASIC CHASSIS

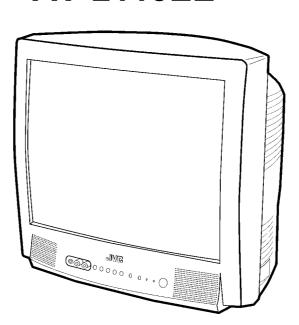
CG

JVC

SERVICE MANUAL

COLOUR TELEVISION

AV-21Q3/D / AV-21Q3/AU AV-21Q3/HK / AV-21QMG3 AV-21QMG3/-A / AV-21QMG3/U AV-2115EE





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SPECIFICATIONS

		CONT	rents
ITE	M	AV-21Q3/d / AV-21Q3/AU AV-21Q3/HK / AV-2115EE	AV-21GMG3 AV-21QMG3/-A / AV-21QMG3/U
Dimensions(W×H	× D)	497mm × 454mm × 480mm	4
Mass(Net)		19kg	←
TV RF System		B/G, I, D/K	B/G, I, D/K,M
	RF Mode	PAL / SECAM	PAL / SECAM / NTSC3.58 / NTSC4.43
Colour System	VIDEO Mode	PAL / SECAM / NTSC3.58 / NTSC4.43	←
Picture Tube		Visible size: 51cm measured diagonally	←
High Voltage		26.5kV±1.5kV(at zero beam current)	— —
Receiving Frequen	cy VHF (VL)	46.25MHz~140.25MHz	←
	VHF (VH)	143.25MHz~423.25MHz	—
	UHF	439.25MHz~865.25MHz	—
	CATV	Cable TVs of Mid (X-Z, S1-S10) Super (S11-S20) & Hyper (S21-S41) bands receivable	—
	VIF Carrier	38.0MHz	←——
Intermediate Frequency	SIF Carrier	32.5MHz (5.5MHz) 31.5MHz (6.5MHz) 32.0MHz (6.0MHz)	32.5MHz(5.5MHz) /33.5MHz (4.5MHz) 31.5MHz (6.5MHz) 32.0MHz (6.0MHz)
Colour Sub Carrier	Frequency	PAL (4.43MHz), SECAM (4.40625MHz / 4.25MHz) NTSC (3.58MHz / 4.43MHz)	•
Power Input	Rated Voltage	[AV-21Q3/D / AV-2115EE] : AC110~240V, 50 / 60Hz [AV-21Q3/AU / AV-21Q3/HK] : AC220~240V, 50 / 60Hz	AC110~240V, 50 / 60Hz
Power Consumption	on	90W (Max) / 60W(Avg)	◀
Speaker		5cm × 9 cm, Oval type × 1	-
Audio Output		3W (monaural)	←
Aerial Input Termin	nal	75Ω Unbalanced	←
Input Video Audio		1V(p-p), 75Ω (Front / Rear) 500mV(rms) (-4dBs), High impedance, RCA×2 (Front / Rear)	——
Output	Video	1V(p-p), 75Ω	-
•	Audio	500mV(rms) (-4dBs), Low impedance,	
Headphone jack		3.5mm mini jack	-
Remote Control Ur	nit	RM-C364GY (Battery size : AA / R06 / UM-3 × 2)	—

Design and specifications are subject to change without notice.

SAFETY PRECAUTIONS

- The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (\bot) side GND, the ISOLATED(NEUTRAL): (\bot) side GND and EARTH: $(\textcircled{\oplus})$ side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.

If above note will not be kept, a fuse or any parts will be broken.

- If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
- 6. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- 7. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a $10k\Omega$ 2W resistor to the anode button.
- 8. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

9. Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

(2) Leakage Current Check

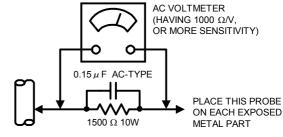
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



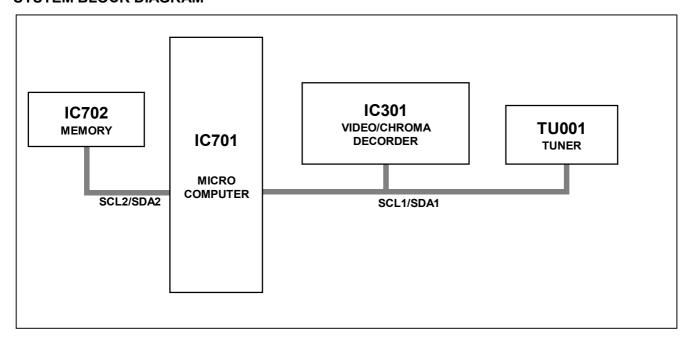
GOOD EARTH GROUND

AV-21Q3 AV-21QMG3 AV-2115EE

FEATURES

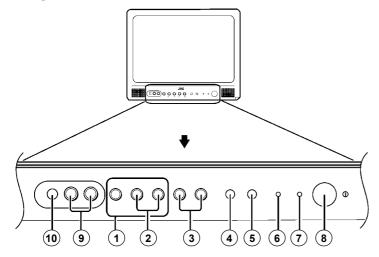
- New chassis design enables use of an interactive on-screen control.
- Wide range voltage (110V~240V) AC power input.(Except for AV-21Q3/AU and AV-21Q3/HK)
- With AUDIO / VIDEO INPUT & OUTPUT terminal.
- MUTING button can reduce the audio level to zero instantly.
- Functional remote control to operate TV set (for channel select, volume control, power ON/OFF, etc.) from a distance.
- I²C bus control utilizes single chip ICs for IF, V/C, DEF. VSM PRESET, PRESET & SETUP TOUR.
- By means of AUTO PROGRAM, the TV stations can be selected automatically and the TV channels can also be rearranged automatically.
- Built-in AI ECO (ECONOMY, ECOLOGY) sensor
 In accordance with the brightness in a room, the brightness and / of contrast of the picture can be adjusted automatically to make the optimum picture which is easy on the eye.
- Built-in ON TIMER, RETURN + & CHILD LOCK.

SYSTEM BLOCK DIAGRAM



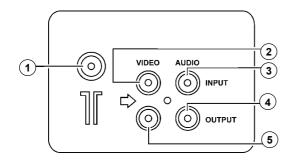
FUNCTIONS

FRONT PANEL



1 MENU buttons
(Replacement of IC301)
2 CHANNEL -/+ buttons
3 VOLUME -/+ buttons
(Replacement of IC301)
4 AI ECO sensor
5 REMOTE CONTROL sensor
6 ON TIMER lamp
7 POWER lamp
8 MAIN POWER button
9 AV INPUT terminal

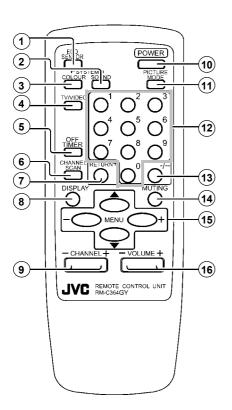
■REAR TERMINAL



1 ANT Terminal
2 VIDEO INPUT Terminal
3 AUDIO INPUT Terminal
4 AUDIO OUTPUT Terminal
5 VIDEO OUTPUT Terminal

(10) HEADPHONE jack

■ REMOTE CONTROL UNIT



16 VOLUME-/+ key

MAIN DIFFERENCE LIST

Part Name Model Name	Main PWB	Front Cabinet	JVC Mark	Power Cord	
AV-21Q3/D	SCG-1424A	GG10196-001B-H	CM43094-009-H	QMPR340-165-K2	
AV-21Q3/AU	SCG-1441A	A	CM48125-009	QMPG090-165-K2	
AV-21Q3/HK	†	†	GG40023-001A-H	QMPR370-165-E2	
AV-21QMG3	SCG-1443A	GG10196-002A-H	†	QMPR340-165-K2	
AV-21QMG3/-A	†	†	†	QMPR380-165-K2	
AV-21QMG3/U	SCG-1431A	†	†	QMPR340-165-K2	
AV-2115EE	SCG-1442A	GG10196-001B-H	†	†	

Part Name Model Name	Inst Book	Digest Manual	Warranty Card	Conversion Plug
AV-21Q3/D	LCT1188-001A-H	LCT1190-001A-H		
AV-21Q3/AU	†		BT-56001-2	
AV-21Q3/HK	LCT1208-001A-H			
AV-21QMG3	LCT1196-001A-H	LCT1197-001A-H		
AV-21QMG3/-A	A	†		QAM0055-001
AV-21QMG3/u	†	†		†
AV-2115EE	LCT1195-001BH		BT-56001-2	

Item Model Name	TV RF System	Colour System [RF Mode]	Power Input	OSD Language
AV-21Q3/D	B/G, I, D/K	PAL / SECAM	AC110~240V, 50 / 60Hz	E/C/M/I
AV-21Q3/AU	†	†	AC220~240V, 50 / 60Hz	†
AV-21Q3/HK	^	+	†	E/C
AV-21QMG3	B/G, I, D/K,M	PAL / SECAM NTSC3.58 / NTSC4.43	AC110~240V, 50 / 60Hz	E/R/A/P
AV-21QMG3/-A	†	†	^	†
AV-21QMG3/U	↑	+	^	<u></u>
AV-2115EE	B/G, I, D/K	PAL / SECAM	^	E/R/U

SPECIFIC SERVICE INSTRUCTIONS

REMOVING THE REAR COVER

- 1. Unplug the power plug.
- 2. As shown in figure, remove the **5** screws marked (A) and a screw marked (B) and a screw marked (C).
- Remove the back board and remove the power cord from the rear cover
- 4. Withdraw the rear cover toward you.

REMOVING THE MAIN PW BOARD

- After removing the rear cover.
- Slightly raise the both sides of the MAIN PW BOARD by hand and remove the PWB stopper marked

 of the MAIN PW BOARD by hand and remove the PWB stopper marked
 of the MAIN PW BOARD by hand bottom.
- 2. Withdraw the MAIN PW BOARD backward. (If necessary, take off the wire clamp, connectors etc.)

REMOVING THE SPEAKER

- After removing the rear cover.
- 1. As shown in figure, remove the **2** screws marked **(E)** .

CHECKING THE MAIN PW BOARD

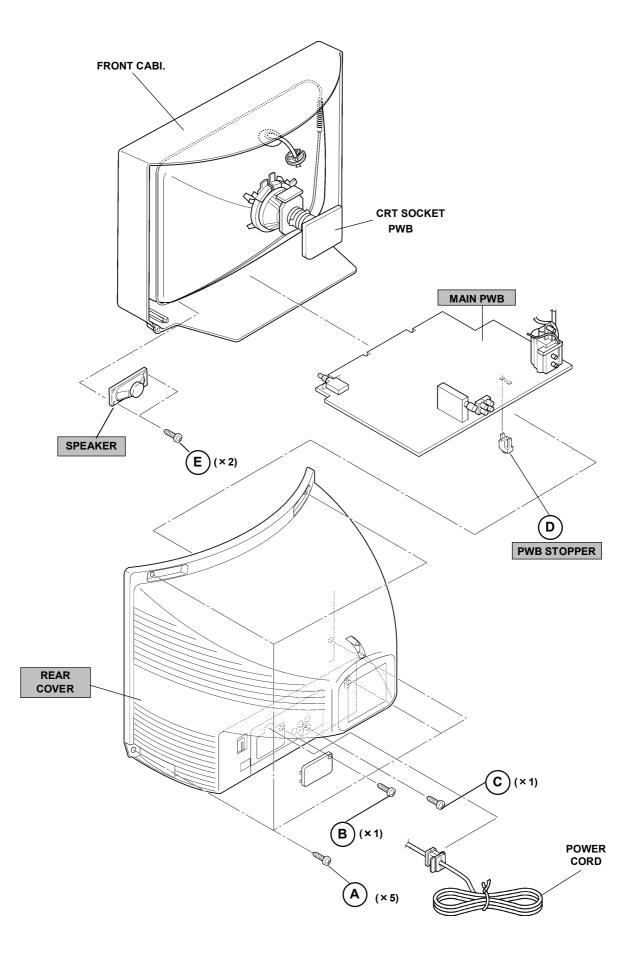
- 1. To check the back side of the PW Board.
- Pull out the MAIN PW Board. (Refer to REMOVING THE MAIN PW Board)
- Erect the PW Board vertically so that you can easily check the back side of the PW Board.

[CAUTION]

- When erecting the PW Board, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the CRT earth wire and other connector are properly connected.

WIRE CLAMPING AND CABLE TYING

- 1. Be sure to clamp the wire.
- Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.



REPLACEMENT OF MEMORY ICS

1. MEMORY ICs

This model uses memory ICs. This memory IC data are for proper operation of the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data.

2. PROCEDURE FOR REPLACING MEMORY ICs

(1) Power off

Switch the power off and disconnect the power plug from the wall outlet.

(2) Replace ICs

Be sure to use memory ICs written with the initial data values.

(3) Power on

Connect the power plug into the wall outlet and switch the power on.

(4) Check and set SYSTEM CONSTANT SET

- · It must not adjust without adjustment signals.
- Press the DISPLAY key and the PICTURE MODE key of the REMOTE CONTROL UNIT simultaneously.
- 2) The SERVICE MENU screen of Fig. 1 will be displayed.
- 3) While the SERVICE MENU is displayed, again press the **DISPLAY** key and **PICTURE MODE** key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.
- 4) Check the setting values of the SYSTEM CONSTANT SET of Table 1 If the value is different, select the setting item with the MENU ▼/▲key, and set the correct value with the MENU / + key.
- 5) Press the DISPLAY key twice, and return to the normal screen.

(5) Receive channel of setting

Refer to the **OPERATING INSTRUCTIONS** and set the receive channels (channels preset) as described

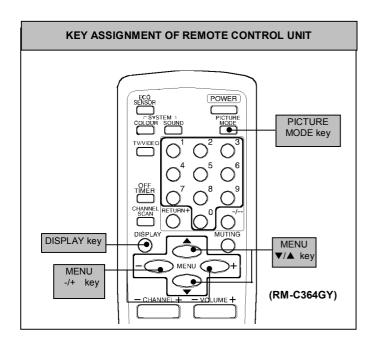
(6) User Setting

Check the user setting value of Table 2, and if setting value is different, set the correct value.

For setting, refer to the **OPERATING INSTRUCTIONS**.

(7) Setting of SERVICE MENU

Verify the setting items of the SERVICE MENU, and reset where necessary. For setting, refer to the **SERVICE ADJUSTMENTS**.



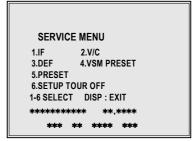


Fig.1

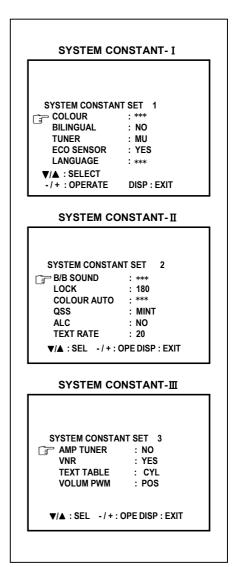


Fig.2

SETTING OF SYSTEM CONSTANT SET

		Setting value						
Setting item	Setting contents	AV- 21Q3/D	AV- 21Q3/AU	AV- 21Q3/HK	AV- 21QMG3	AV- 21QMG3/-A	AV- 21QMG3/U	AV- 2115EE
COLOUR	MULTI. → TRIPLE — PAL ←	TRIPLE	←	↓	←	MULTI.	←	. TRIPLE
BILINGUAL	→ YES → NO	NO	←	←	←	←	←	←
TUNER	►MU → MA	MU	←	←	←	←	←	←
ECO SENSOR	→ YES → NO —	YES	←	+	←	←	←	+
LANGUAGE	E/C/M/I ←E/R/U ←	E/C/M/I	←	E/C	E/R/A/P	←	←	E/R/U
B/B SOUND	ON OFF	OFF	←	←	←	ON	OFF	←
LOCK	YES ←→10 ←→20 ~ ← 250 ←→240 ←→230~←	180	←	•	•	•	•	←
COLOUR AUTO	→ YES → NO	NO	←	←	←	YES	NO	←
QSS	→MINT →MQSS	MINT	←	←	←	←	←	←
ALC	→ YES → NO —	NO	+	↓	←	←	←	↓
TEXT RATE	10 ←→20 ←→40 ←→80	20	←	+	←	←	←	+
AMP TUNER	YES - NO	NO	←	←	←	←	←	←
VNR	→ YES → NO —	YES	←	+	←	←	←	←
TEXT TABLE	→ ARA → CYL	CYL	←	—	←	←	←	←
VOLUM PWM	POS → NEG	POS	←	←	←	←	←	←

Table 1

USER SETTING VALUES

Setting item	Setting value	Setting item	Setting value
SUB POWER	ON	LANGUAGE	ENGLISH
CHANNEL POSITION	1 POSITION	CHANNEL PRESET	Refer to OPERATING INSTRUCTION
VOLUME	About 10	AI ECO SENSOR	OFF
INPUT	TV	VNR	OFF
ON SCREEN DISPLAY	POSITION INDICATION	AUTO SHUTOFF	OFF
COLOUR SYSTEM	PAL	ON TIMER	PR1 0:00
SOUND SYSTEM	B/G	BLUE BACK	OFF
OFF TIMER	OFF OSD.Shows 00	CHILD LOCK	OFF
PICTURE MODE (VSM)	BRIGHT	SETUP TOUR	ON

Table 2

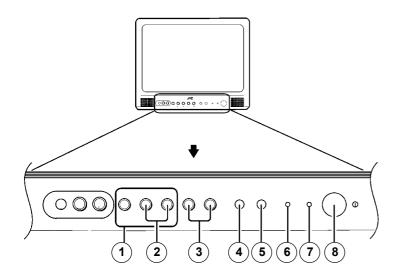
REPLACEMENT OF IC301 (IF V/C DECODER)

• For the IC301(IF V/C DECODER) of this model, all data are written in the micro-computer. So, write the data in the micro-computer (EP-ROM: memory IC) in accordance with the following procedures before starting adjustment.

PROCEDURES

- (1) Turn the POWER OFF.
- (2) Replace the IC301 with a new one.
- (3) While pressing MENU button and VOLUME -/+ button ON the FRONT CABINET simultaneously, turn the POWER ON. When the POWER is turned ON, the data is written in the micro-computer (EP-ROM: memory IC) immediately.

LOCATIONS OF FRONT PANEL BUTTONS AND LAMPS



- 1 MENU buttons
- 2 CHANNEL -/+buttons (MENU -/+buttons)
- 3 VOLUME -/+ buttons (MENU -/+ buttons)
- (4) Al ECO sensor
- 5 REMOTE CONTROL sensor
- 6 ON TIMER lamp
- 7 POWER lamp
- 8 MAIN POWER button

REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

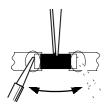
- 1. Avoid heating for more than 3 seconds.
- 2. Do not rub the electrodes and the resist parts of the pattern.
- 3. When removing a chip part, melt the solder adequately.
- 4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

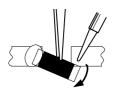
- 1. Use a high insulation soldering iron with a thin pointed end of it.
- 2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

- 1. How to remove Chip parts
- ♦ Resistors, capacitors, etc
 - (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

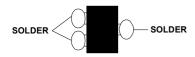


(2) Shift with tweezers and remove the chip part.

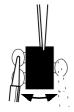


◆ Transistors, diodes, variable resistors, etc

(1) Apply extra solder to each lead.



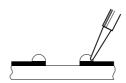
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



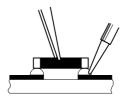
Note: After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts

- Resistors, capacitors, etc
 - (1) Apply solder to the pattern as indicated in the figure.

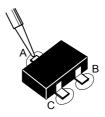


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

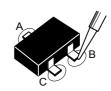


◆ Transistors, diodes, variable resistors, etc

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

- There are 2 way of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
- The adjustment with the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to its optimum condition may differ from the initial setting values.
- Make sure that connection is correctly made to AC power source
- 4. Turn on the power of the set and equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
- 5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.

- Never touch any adjustment parts, which are not specified in the list for this adjustment VRs, transforms, condensers, etc.
- Preparation for adjustment
 Unless otherwise specified in the adjustment instructions, preset
 the following functions with the REMOTE CONTROL UNIT.
 User mode position

PICTURE MODE (VSM)	BRIGHT
VNR	OFF
TINT / COLOUR / BRIGHT CONT. / SHARP	CENTER
BLUE BACK	OFF
OFF TIMER	OFF
AI ECO SENSOR	OFF
AUTO SHUT OFF	OFF
SETUP TOUR	ON

MEASURING INSTRUMENT AND FIXTURES

- 1. DC voltmeter (or digital voltmeter)
- 2. Oscilloscope
- 3. Signal generator (Pattern generator) [PAL / SECAM / NTSC]
- 4. Remote control unit

ADJUSTMENT ITEMS

Adjustment item	Adjustment item
B1 POWER SUPPLY	DEFLECTION circuit adjustment
FOCUS adjustment	VSM PRESET setting
IF circuit adjustment	PURITY/ CONVERGENCE adjustment
V/C (Video / Chroma) circuit adjustment	

BASIC OPERATION OF SERVICE MENU

• The adjustment using SERVICE MENU

The following adjustment items use the SERVICE MENU in the series of the adjustment. The adjustments are made on the basis of the initial setting values. The adjustment values which adjust the screen to the optimum condition can be different from the initial setting values. With the SERVICE MENU, various settings can be made, and they are broadly classified in the following items of settings.

Key operation of the SERVICE MENU [Enter to SERVICE MENU]

Press the **DISPLAY** key and the **PICTURE MODE** key of the REMOTE CONTROL UNIT simultaneously. Then enter the SERVICE MENU mode as shown in Fig.1.

[Exit from SERVICE MENU]

When complete the adjustment work, press the **DISPLAY** key to return to the SERVICE MENU.

And then press the **DISPLAY** key again, return to the normal screen.

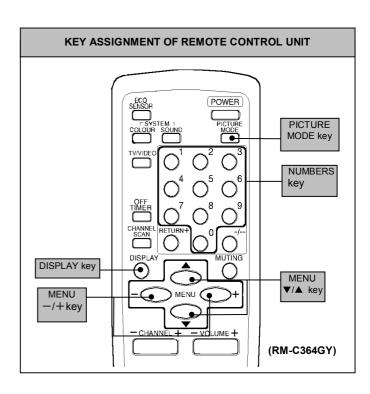
[Select from SERVICE MENU]

In SERVICE MENU, press the number (1 \sim 6) key of the remote control unit, to select any of the adjustment items.

The colours which selected item characters are changed.

SERVICE MENU

Fig.1



[Method of setting]

1. IF

[1. VCO]

- ① 1 Key····· Select **1.IF**.
- ② 1 Key Select 1.VCO
- 3 The VCO (CW) screen will be displayed a allow mark when the AFC voltage is at a certain level.
- ④ DISPLAY Key · · · · · As you press this key twice, you will return to the **SERVICE MENU**.

[2. DELAY POINT]

- ① 1 Key····· Select **1.IF**.
- ② 2 Key····· Select 2.DELAY POINT.
- $\ \, 3)\ \, \text{MENU}$ -/+ Key \cdots Set (adjust) the setting values of the setting items.
- ④ DISPLAY Key · · · · · When this is pressed twice, you will return to the **SERVICE MENU**.

2.V/C, 3.DEF and 4.VSM PRESET

- ① 2~4Key · · · · · · Select one from 2. V/C, 3. DEF and 4. VSM PRESET.
- ② MENU ▼/▲ Key · · · · · Select setting items.
- ③ MENU -/+ Key · · · · · Adjust the values of the items.
- ④ DISPLAY Key····· When this is pressed, return to the **SERVICE MENU**.

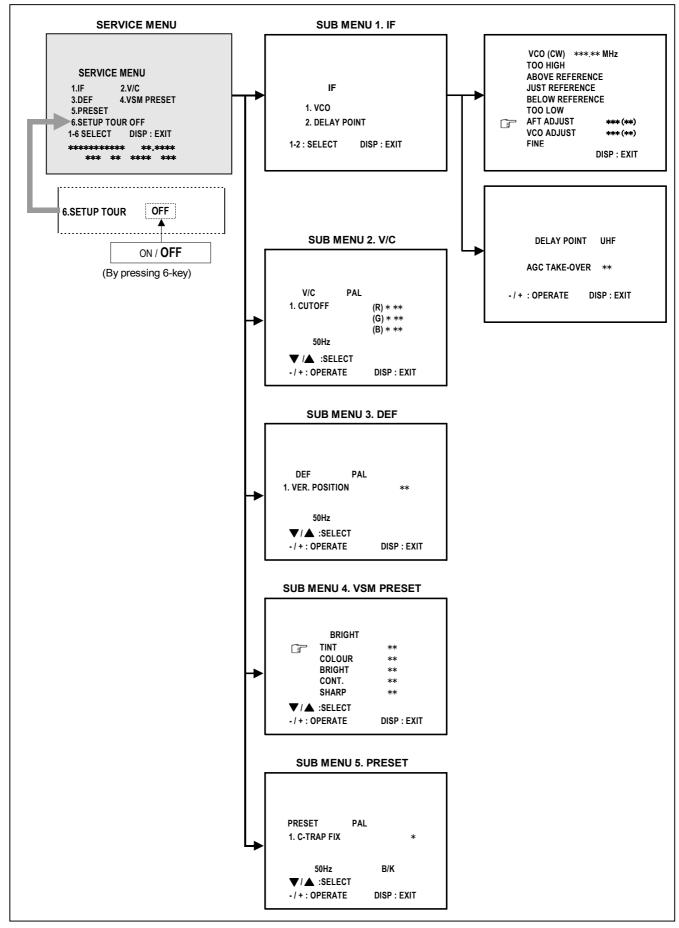
6.SETUP TOUR

① By pressing the 6 key, you can change the ON or OFF (should be OFF).

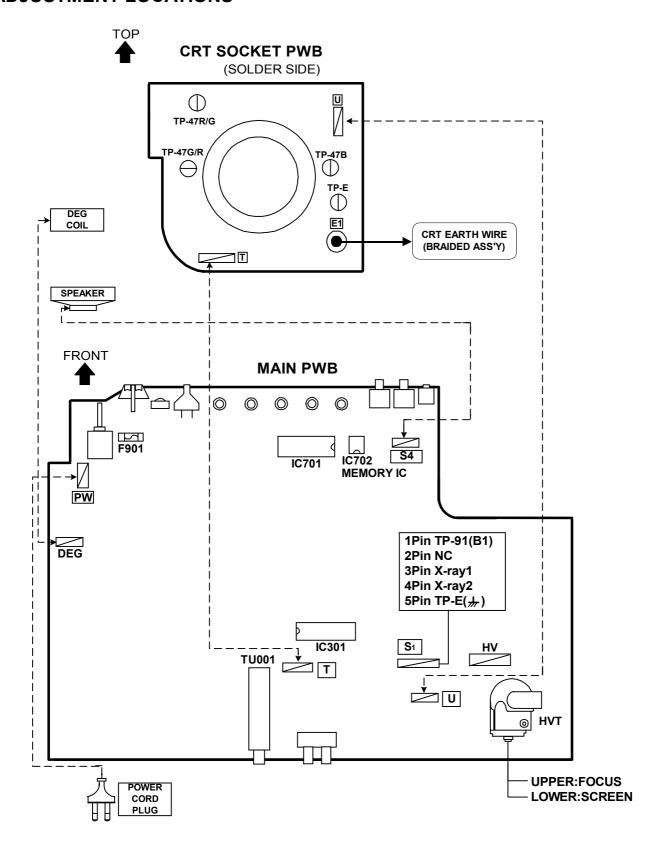
(Should be OFF)

- * If it is ON, then you turn the TV power off, when you are turn the TV power on again. The JVC's logo will be shown about 15 seconds automatically.
- ② MENU -/+ Key · · · · · Select Language.
- ③ MENU ▼ Key····· Auto Search.

SERVICE MENU FLOW CHART



ADJUSTMENT LOCATIONS



INITIAL SETTING VALUE OF SERVICE MENU

- 1. Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- 2. Do not change the initial Setting Values of the Setting (Adjustment) items not listed In "ADJUSTMENT".

2. V/C

Colour system			Variable		Initial set	ting value	
Setting item			range	PAL	SECAM	NTSC 3.58	NTSC 4.43
		RED					
1. CUT 0	FF	GREEN	-128~+127	-50	←	←	←
		BLUE					
2. DRIVE		RED	-128~+127	0	←	←	←
Z. DIVIVE		BLUE		Ů			
3. BRIGH	IT		-127~+127	0	←	←	←
4. CONT.	4. CONT.		-63~+63	0	+	←	←
5. COLO	5. COLOUR		-63~+63	0	←	←	←
	TV					0	0
6. TINT	VIDEO	AV-21Q3/D AV-21Q3/AU AV-21Q3/HK AV-2115EE	-63~+63			0	0
		AV-21QMG3 AV-21QMG3/-A AV-21QMG3/U				+8	0
7. SECAM BL ADJ.			-31~+31	0	←	←	←
8. SHARP Do Not Adj. VIDEO			-32~+31	- 8(Fixed) +15(Fixed)	+	-	←

3. DEFLECTION

Setting item	Variable range	Initial setting value		
Setting item	variable range	fv : 50Hz MODE	fv: 60Hz MODE	
1. VER. POSITION	-04 ~ +03	- 1	- 3	
2. HOR. POSITION	-16 ~ +15	+ 3	+ 3	
3. VER. HEIGHT	-64 ~ +63	-35	+1	
4. VER. LINEARITY	-32 ~ +31	+15	- 1	
5. VER. SCURVE	-32 ~ +31	-32	+ 0	
6. HOR. VCO ADJUST (Do Not Adj.)	-63 ~ +62	+ 0	+ 0	

4.VSM PRESET

VSM preset mode VSM Setting item	BRIGHT	STANDARD	SOFT
TINT SETTING VALUE	+15	←	←
COLOUR SETTING VALUE	+15	←	←
BRIGHT SETTING VALUE	+15	←	←
CONT. SETTING VALUE	+30	+15	+11
SHARP SETTING VALUE	+15	←	+12

5. PRESET

The items in the following table, it is no requirement for adjustment.

If values had changed by the miss operation, set the initial setting values in the following table.

Colour System Do Not Adjust

Setting item			Initial setting v	alue (Fixed value)	
		PAL	SECAM	NTSC 3.58	NTSC 4.43
1. C TRAP FIX		1	1	1	1
2. SHARP PEAK		0	0	0	0
3. ABL		1	1	1	1
4. GAMMA		0	0	0	0
5. Y. DELAY TIME	TV	0	2	2	3
5. 1. DELAT TIME	VIDEO	0	2	0	2
6. BLACK EXP START		+3	+3	+3	+3
7. C-BPF	TV	1	1	0	0
7. C-BFF	VIDEO	1	1	1	1
8. CW/SCP		0	0	0	0
9. VIF DET LEVEL		0	0	0	0
11. IF AGC MIN		0	0	0	0
12. VIF AGC		0	0	0	0
13. VIF PMOD		0	0	0	0
19. VNR		15	15	15	15
20. RGB LIM		1	1	1	1
21. RGB LIMIT LEVEL		2	2	2	2
23. TEXT H. POSITION		-3	-3	-3	-3
24. READ DATA					

Sound System Do Not Adjust

Setting item	B/G	I	D/K	М
10. SIF DET LEVEL	+0	+0	+0	+0
14. SIF BPF BW ADJUST	+0	+0	+0	+0
15. SIF TRAP FO ADJUST	+0	+0	+0	+0
16. SIF TRAP FO ADJUST 2	+0	+0	+0	+0
17. SIF -TRAP	0	0	0	0
18. SIF -BPF	1	0	0	0
22. SIF SW	0	1	1	1

ADJUSTMENTS

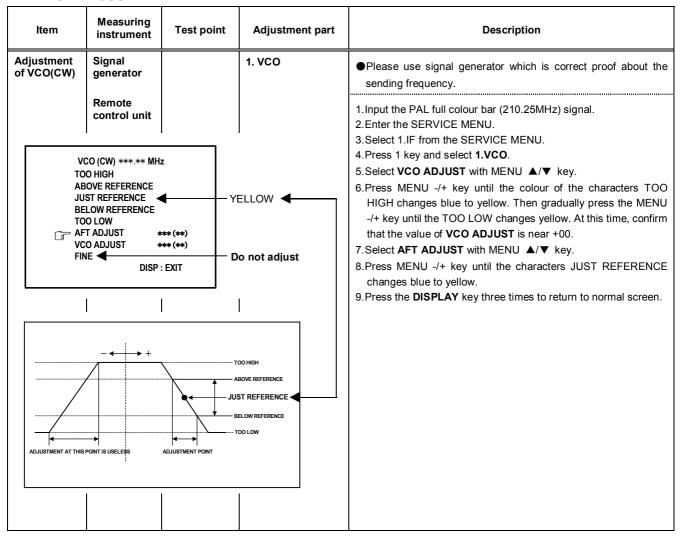
B1 POWER SUPPLY

ltem	Measuring instrument	Test point	Adjustment part	Description
Check of B1 Power Supply	Signal generator DC Volt- meter	TP-91 (B1) TP-E (1.Input a whole black signal. 2.Connect a DC voltmeter to TP-91(B1) and TP-E (,). 3.Make sure that the voltage is DC116.2±2.0V.

FOCUS ADJUSTMENT

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of FOCUS	Signal generator		FOCUS VR [In HVT]	1.Input a cross-hatch signal. 2.While watching the screen, adjust the FOCUS VR to make the vertical and horizontal lines as fine and sharp as possible. 3.Make sure that when the screen is darkened, the lines remain in good focus.

IF CIRCUIT ADJUSTMENT



Item	1	Measuring instrument	Test point	Ad	ljustment part		Description
Adjustmof DELA' POINT (AGC)		Signal generator Remote control unit DELAY P AGC TAK -/+: OPERATE	E-OVER **		AY POINT C TAKE-OVER)	2.Enter the SERVI 3.Select 1. IF from 4.Select 2. DELA' control unit. 5.Set the initial set table. 6.Then adjust the I	white signal (colour off). CE MENU. the SERVICE MENU. POINT by pressing the 2 key on the remote ting values of the setting items as shown bellow MENU - or + key until video noise disappears. channels and make sure that there are no
			Settin	g Iten	n	Variable range	Initial setting value
		(4)	DELAY POINT	-	NTSC 3.58	0~127	ALPS (QAU0282-001) 47 35

VIDEO / CHROMA CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Do not change the initial setting values of the setting items not listed in "ADJUSTMENT".

Item	Measuring instrument	Test point	Adjustment part		D	escription	
Adjustment of WHITE BALANCE (Low light)	Signal generator Remote control unit V/C 1. CUTOFF 50Hz V/ A:SELECT -/+: OPERATE	PAL (R) * ** (G) * ** (B) * **	1. CUT OFF (R) CUT OFF (G) CUT OFF (B) SCREEN VR [IN HVT]	visible. 7.Use keys 4~9 of t	initial the SER initial the fithe rescreen. VR fully e one of the remains the remains ept the ears when the series when the se	setting value wi mote control un counter-clockwif a red, blue or o ote control unit a appeared colour ite.	th 4~9 keys of the sing se, then slowly turn green colour is faint and adjust the other roto where the sing
CUTOFF OF (H.LINE OFF CUTOFF OI (H.LINE ON R. CUTOFF(F) 1	F REMOTE CON	TROL UNIT — G.CUTOFF(▲) — B. CUTOFF(▲)	9. Press the 2 key to 1 10. Press the DISPLA Adjustment if	Y key tv	•	
R. DRIVE(R. CUTOFF(R. DRIVE(▼) 7 ▼) 4	8 9	B. DRIVE(▲) B. CUTOFF(▼) B. DRIVE(▼) G.CUTOFF(▼)	1. CUT OFF	R G B	-128~+127 -128~+127 -128~+127	-50 -50
Adjustment of WHITE BALANCE (High light)	Signal generator Remote control unit	PAL (R) * **	2. DRIVE (R) DRIVE (B)	1.Input a black and v 2.Enter the SERVICI 3.Select 2. V/C from 4.Select 2. DRIVE (I value to initial sett remote control uni 5.Use the keys 4 and 6.Press the DISPLA	E MENU the SEF R) / (B) ing valu t. d 7 or 6	J. RVICE MENU. with MENU ▼/. de with 4 and 7 of and 9 to produc	e a white screen
	50Hz	(B) * **		Adjustment ite	em R	Variable range	Initial setting value
	▼/ ▲ :SELEC* -/+: OPERATE			2. DRIVE	В	-128~+127	+0

No. 52027 23

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB BRIGHT	Remote control unit		3. BRIGHT	1.Receive any broadcast. 2.Enter the SERVICE MENU. 3.Select 2. V/C from SERVICE MENU. 4.Select 3. BRIGHT with the MENU ▼/▲key. 5.Set the initial setting value with the MENU - / + key. 6.If the brightness is not the best with the initial set value, make fine adjustment until you get the best brightness.
Adjustment of SUB CONT.	Remote control unit		4. CONT.	1.Receive any broadcast. 2.Enter the SERVICE MENU. 3.Select 2. V/C from SERVICE MENU. 4.Select 4. CONT. with the MENU ▼/▲key. 5.Set the initial setting value with the MENU - / + key. 6.If the contrast is not the best with the initial set value, make fine adjustment until you get the best contrast.
Adjustment of	Remote control unit		5. COLOUR	[Method of adjustment without measuring instrument]
SUB COLOUR I			PAL COLOUR	1.Receive a PAL broadcast. 2.Enter the SERVICE MENU. 3.Select 2. V/C from the SERVICE MENU. 4.Select 5. COLOUR with the MENU ▼/▲ key. 5.Set the initial setting value for PAL COLOUR with the MENU -/+ key. 6.If the colour is not the best with the initial set value, make fine adjustment until you get the best colour.
			SECAM COLOUR	1.Receive a SECAM broadcast. 2.Make fine adjustment of SECAM COLOUR as previously.
			NTSC 3.58 COLOUR	1.Receive a NTSC 3.58MHz broadcast. 2.Make similar fine adjustment of NTSC 3.58 COLOUR as previously.
			NTSC 4.43 COLOUR	When NTSC 3.58 adjustment completed, NTSC 4.43 will be automatically set at the respective values.

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SUB COLOUR II	Signal generator Oscillo-	TP-47G/R	5. COLOUR	[Method of adjustment using measuring instrument]
	scope Remote control unit	[CRT SOCKET PWB]	PAL COLOUR	 1.Input a PAL full field colour bar signal (75% white). 2.Enter the SERVICE MENU. 3.Select 2. V/C from SERVICE MENU. 4.Select 5. COLOUR with the MENU ▼/▲ key.
	Mg R		(-) • OV • (+)	5.Set the initial setting value of PAL COLOUR with the MENU - / + key. 6.Connect the oscilloscope between TP-47G/R and TP-E (♣). 7.Adjust PAL COLOUR to bring the value of (A) in the illustration to +10V(W-G). (Voltage value between (W) and (G))
			SECAM COLOUR	1.Input a SECAM full field colour bar signal (75% white). 2.Set the initial setting value of SECAM COLOUR with the MENU - / + key. 3.Adjust SECAM COLOUR to bring the value of (A) in the illustration to +10V(W-G). (Voltage value between (W) and (G))
			NTSC 3.58 COLOUR	1.Input a NTSC 3.58 full field colour bar signal (75% white). 2.Set the initial setting value of NTSC 3.58 COLOUR with the MENU - / + key. 3.Adjust NTSC 3.58 COLOUR to bring the value of (A) in the illustration to +10V(W-G). (Voltage value between (W) and (G))
			NTSC 4.43 COLOUR	When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of TINT I	Signal generator		6. TINT	[Method of adjustment without measuring instrument]
	Remote control unit		NTSC 3.58 TINT	 Input a NTSC 3.58 full field colour bar signal (75% white). Enter the SERVICE MENU. Select 2. V/C from SERVICE MENU. Select 6. TINT with the MENU ▼/▲ key. Set the initial setting value of NTSC 3.58 with the MENU - / + key. If you cannot get the best tint with the initial setting value, make fine adjustment until you get the best tint.
			NTSC 4.43 TINT	When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.
Adjustment	Signal generator	TP-47G/R TP-E (6. TINT	[Method of adjustment using measuring instrument]
	Oscillo-scope Remote control unit	[CRT SOCKET PWB] Mg R (B)	NTSC 3.58 TINT (-) - ov (+)	1.Input a NTSC 3.58 full field colour bar signal (75% white). 2.Enter the SERVICE MENU. 3.Select 2. V/C from SERVICE MENU. 4.Select 6. TINT with the MENU ▼/▲ key. 5.Set the initial setting value of NTSC 3.58 with the MENU - / + key. 6.Connect the oscilloscope between TP-47G/R and TP-E. (♣). 7.Adjust NTSC 3.58 TINT to bring the value of (B) in the illustration +7V(W-Cy). (Voltage value between (W) and (Cy))
			NTSC 4.43 TINT	When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.

ltem	Measuring instrument	Test point	Adjustment part	Description
Adjustment of SECAM	Remote control unit		7.SECAM BL ADJUST	[Method of adjustment using measuring instrument]
BLACK OFFSET	Signal generator			 Input a SECAM full field colour bar signal. Enter the SERVICE MENU. Select 2. V/C from SERVICE MENU. Select 7. SECAM BL ADJUST with MENU ▼/▲ key. Set the initial setting value with the MENU - / + key. Switch the ①key (colour OFF) and ②key (colour ON) on the remote control and make sure that there is no colour on the black and white screen. If the black and white screen is not best with the initial setting value, make fine adjustment until you get the best black and white screen. While watching the screen, adjust the value to be the same colour between ON & OFF by ten key on the remote control
COLOUR ON COLOUR OFF	1 4 4 7	2 2 5 (8	3 6 9	unit. 9. Press the DISPLAY key twice to return to the normal screen.

DEFLECTION CIRCUIT ADJUSTMENT

- There are 2 modes of adjustment (setting value) ----- ① 50Hz mode and ② 60Hz mode ----- depending upon the kind of signals (vertical frequency 50Hz / 60Hz).
- When adjusted in mode ① , mode ② will be automatically set.

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.

The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Item	Measuring instrument	Test point	Adjustment part	Description
Adjustment of V.HEIGHT & V.POSITION	DEF 1. VER. POSI 50Hz 7/ A :SELE -/+: OPERAT	een size	1. VER. POSITION 3. VER. HEIGHT Picture size 100%	1.Input a circle pattern signal. 2.Enter the SERVICE MENU. 3.Select 3. DEF. from SERVICE MENU. 4.Select 1. VER. POSITION with the MENU ▼/▲ key. 5.Set the initial setting value with the MENU - / + key. 6.Adjust V and V' to be equal with the MENU - / + key as shown in Fig.2. 7.Input a cross-hatch signal. 8.Select 3. V. HEIGHT with the MENU ▼/▲ key. 9.Set the initial setting value with the MENU - / + key. 10.As shown in Fig.1, adjust VER. HEIGHT and make the vertical screen size 92% of the picture size with the MENU - / + keys of remote control unit.
Adjustment of HOR. POSITION	Signal generator Remote control unit	Fig.2	2.HOR. POSITION	11.Input a circle pattern signal. 12.Select 2. HOR POSITION with the MENU ▼/▲ key. 13.Set the initial setting value of 2. HOR. POSITION with the MENU - / + key. 14.Adjust 2. HOR. POSITION to make H=H" as shown in Fig.2 with the MENU - / + key.

Item	Measuring instrument	Test point	Adjustment part	Description		
Adjustment of VER. LIN.	Signal generator		4. VER. LIN. 5. VER. SCURVE	• When the vertical linearity has been deteriorated remarkably, perform the following steps.		
& VER. SCURVE	Remote control unit			15.Input a cross-hatch signal. 16.Select 4. VER. LIN. with the MENU ▼/▲ key. 17.Set the initial setting value of 4. VER LIN. with the MENU - / +		
			TOP TOP CENTER	key. 18. Select 5. VER. SCURVE with the MENU ▼/▲ key. 19. Set the initial setting value of 5. VER. SCURVE with the MENU - / + key. 20. Adjust 4. VER. LIN. and 5. VER. SCURVE so that the spaces of each line as shown in Fig.3 on TOP , CENTER and BOTTOM become uniform.		
Fig.3 → BOTTOM		воттом	Make sure that the adjustment is properly done on the screen of 60Hz mode. [NOTE] • Adjust to make both 50Hz & 60Hz are the same v. size and fine straight line. • When adjust again, adjust 50Hz mode first.			
				When adjust in 60Hz mode, only 60Hz mode is adjust.		

VSM PRESET SETTING

ltem	Measuring instrument	Test point	Adjustmen	t part		De	scription		
Setting of VSM PRESET	Remote control unit		TINT COLOUR BRIGHT CONT. SHARP		 1.Enter the SERVICE MENU. 2.Select 4. VSM PRESET from the SERVICE MENU. 3.Select BRIGHT with the PICTURE MODE key. 4.Adjust the MENU ▼/▲ and MENU - / + key to bring the values of TINT ~ SHARP to the values shown in the bel table. 				
					5.Respective	•	SM PRESET mo nilar adjustment a		and
Г				• VSM	PRESET				
	BRIGHT **			Setting	Preset Mode	BRIGHT	STANDARD	SOFT	
	COLOUR BRIGHT	** **		Т	INT	+15	←	←	
	CONT. SHARP	** **		С	OLOUR	+15	←	←	
	▼/ ▲ :SELECT	4-4-		В	RIGHT	+15	←	←	1
	-/+:OPERATE	DISP : EXIT		С	ONT	+30	+15	+13	
_	1	1		S	HARP	+15	←	+12	

PURITY / CONVERGENCE ADJUSTMENT

PURITY ADJUSTMENT

- 1. Demagnetize CRT with the demagnetizer.
- 2. Loosen the retainer screw of the deflection yoke.
- 3. Remove the wedges.
- 4. Input a green raster signal from the signal generator, and turn the screen to green raster.
- 5. Move the deflection yoke backward.
- 6. Bring the long lug of the purity magnets on the short lug and position them horizontally. (Fig.2)
- Adjust the gap between two lugs so that the GREEN RASTER will come into the center of the screen. (Fig.3)
- 8. Move the deflection yoke forward, and fix the position of the deflection yoke so that the whole screen will become green.
- Insert the wedge to the top side of the deflection yoke so that it will not move.
- 10. Input a crosshatch signal.
- 11. Verify that the screen is horizontal.
- 12. Input red and blue raster signals, and make sure that purity is properly adjusted.

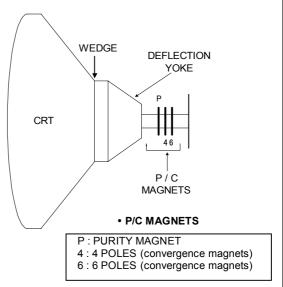
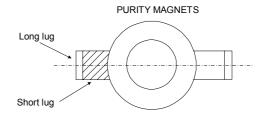
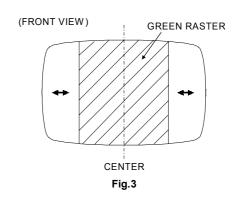


Fig.1



Bring the long lug over the short lug and position them horizontally.

Fig.2



STATIC CONVERGENCE ADJUSTMENT

- 1. Input a crosshatch signal.
- 2. Using 4-pole convergence magnets, overlap the red and blue lines in the center of the screen (Fig.1) and turn them to magenta (red/blue).
- 3. Using 6-pole convergence magnets, overlap the magenta(red/blue) and green lines in the center of the screen and turn them to white.
- 4. Repeat 2 and 3 above, and make best convergence.

DYNAMIC CONVERGENCE ADJUSTMENT

- 1. Move the deflection yoke up and down and overlap the lines in the periphery. (Fig. 2)
- 2. Move the deflection yoke left to right and overlap the lines in the periphery. (Fig. 3)
- 3. Repeat 1 and 2 above, and make best convergence.
- After adjustment, fix the wedge at the original position.
 Fasten the retainer screw of the deflection yoke.
 Fix the 6 magnets with glue.

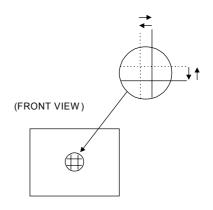


Fig.1

(FRONT VIEW)

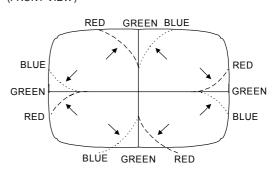


Fig.2

(FRONT VIEW)

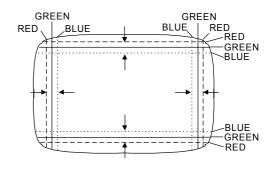


Fig.3

AV-21Q3 AV-21QMG3 AV-2115EE

JVC

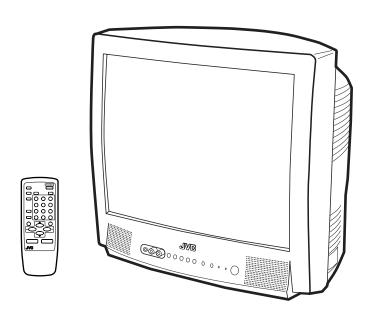
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

BASIC CHASSIS

AV-21Q3/D / AV-21Q3/AU AV-21Q3/HK / AV-21QMG3 AV-21QMG3/-A / AV-21QMG3/U AV-2115EE

CD-ROM No.SML200209



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AV-21Q3/D, AV-21Q3/AU, AV-21Q3/HK, AV-21QMG3, AV-21QMG3/-A, AV-21QMG3/U **AV-2115EE**

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ∆symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

variable resistor

: Original setting position

when shipped (3)Internal resistance of tester :DC 20kΩ/V

(4)Oscilloscope sweeping time :H \Rightarrow 20µS/div

> :V \Rightarrow 5mS/div

:Others \Rightarrow Sweeping time is

specified

(5) Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit $[\Omega]$: :[K Ω] :[M Ω]

Rated allowable power

No indication :1/16 [W] Others :As specified

Type

No indication :Carbon resistor OMR :Oxide metal film resistor MFR :Metal film resistor MPR :Metal plate resistor UNFR :Uninflammable resistor FR :Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher :[pF] less than 1 :[µF] Withstand voltage

No indication

Others :DC withstand voltage [V] AC indicated :AC withstand voltage [V]

:DC50[V]

* Electrolytic Capacitors

47/50[Example]:Capacitance value [µF]/withstand voltage[V]

●Type No indication MM PP MPP MF TF BP	:Ceramic capacitor :Metalized mylar capacitor :Polypropylene capacitor :Metalized polypropylene capacitor :Metalized film capacitor :Thin film capacitor :Bipolar electrolytic capacitor
TAN	:Tantalum capacitor
(3)Coils	
No unit	:[H4]:

(4)Power Supply

Others

:B2 (12V) :B1

:As specified

*Respective voltage values are indicated

(5)Test point

:Only test point display

(6)Connecting method



(7)Ground symbol

:EARTH ground :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND and the ISOLATED(NEUTRAL): (1) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- ♦ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

♦ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in

When ordering parts, please use the numbers that appear in the Parts List.

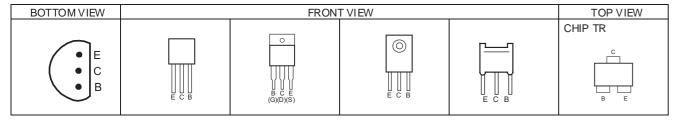
CRT SOCKET PWB PATTERN

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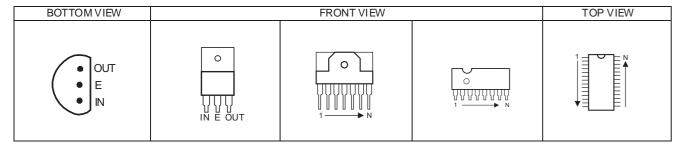
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SEMICONDUCTOR SHAPES

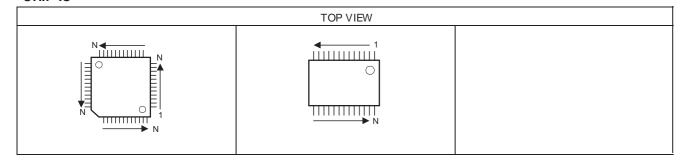
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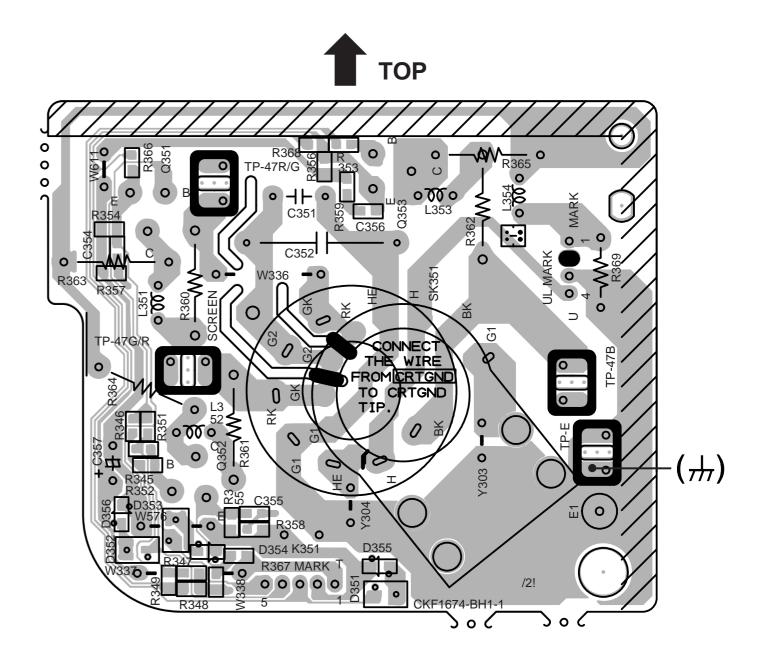


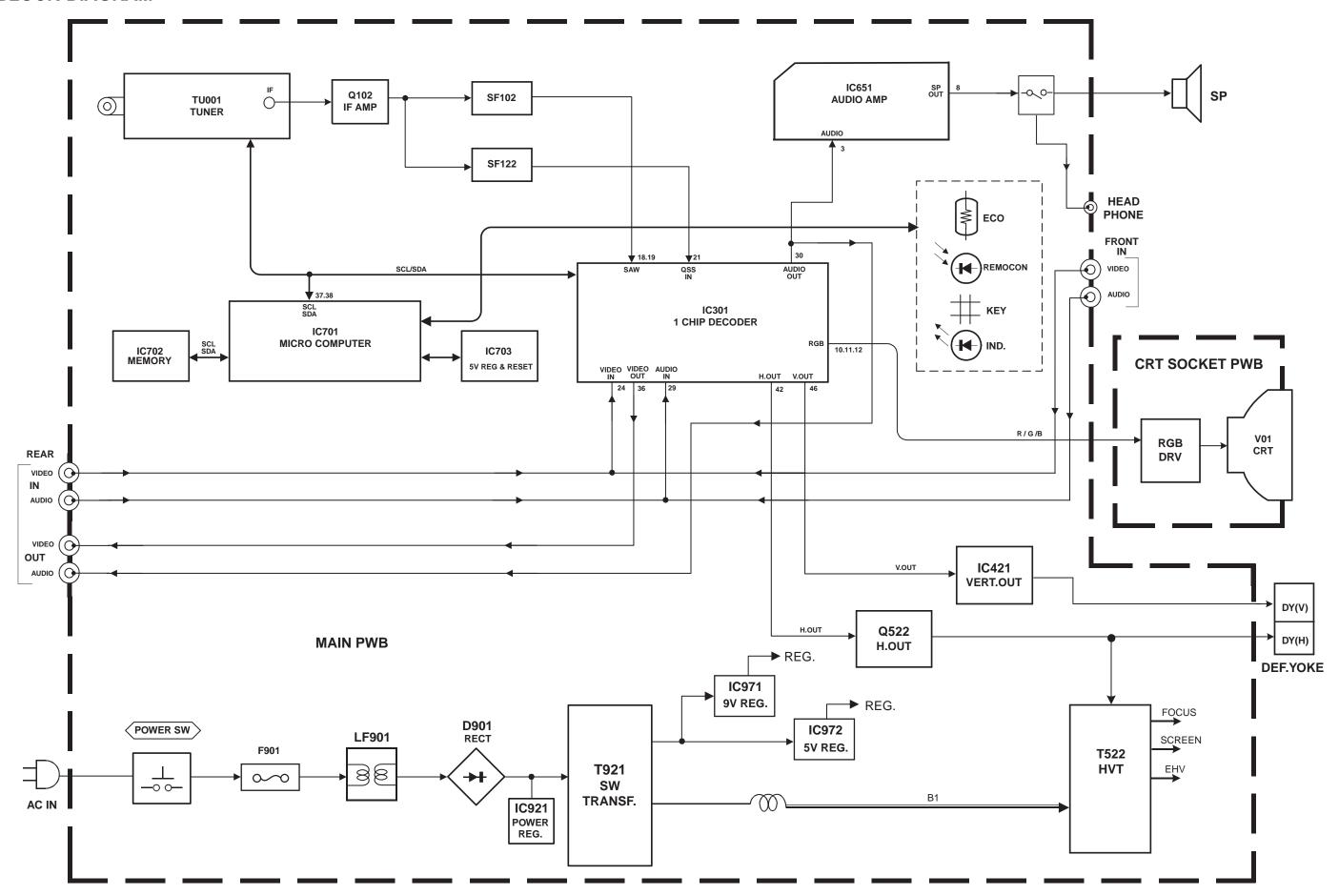




CHIP IC



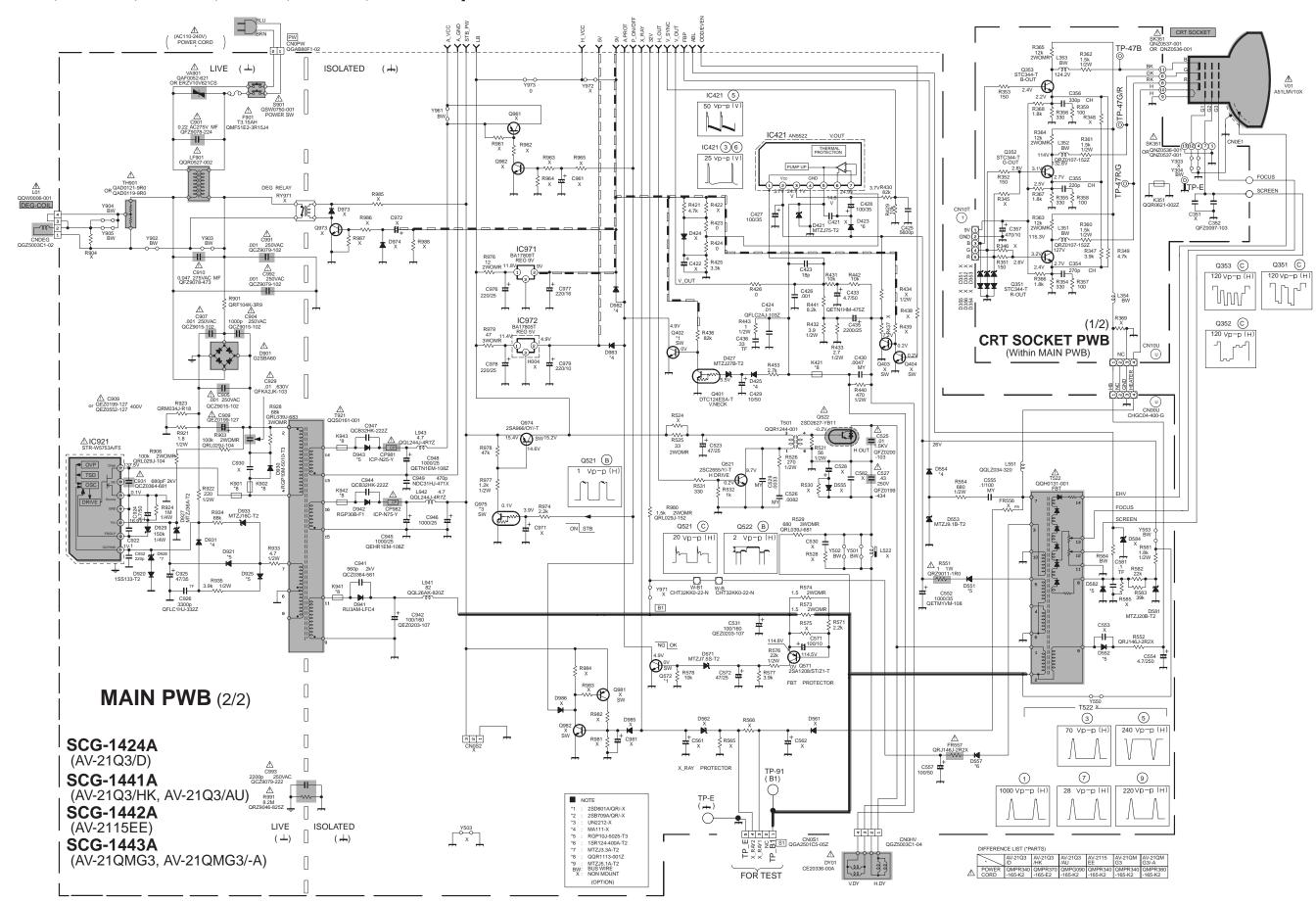




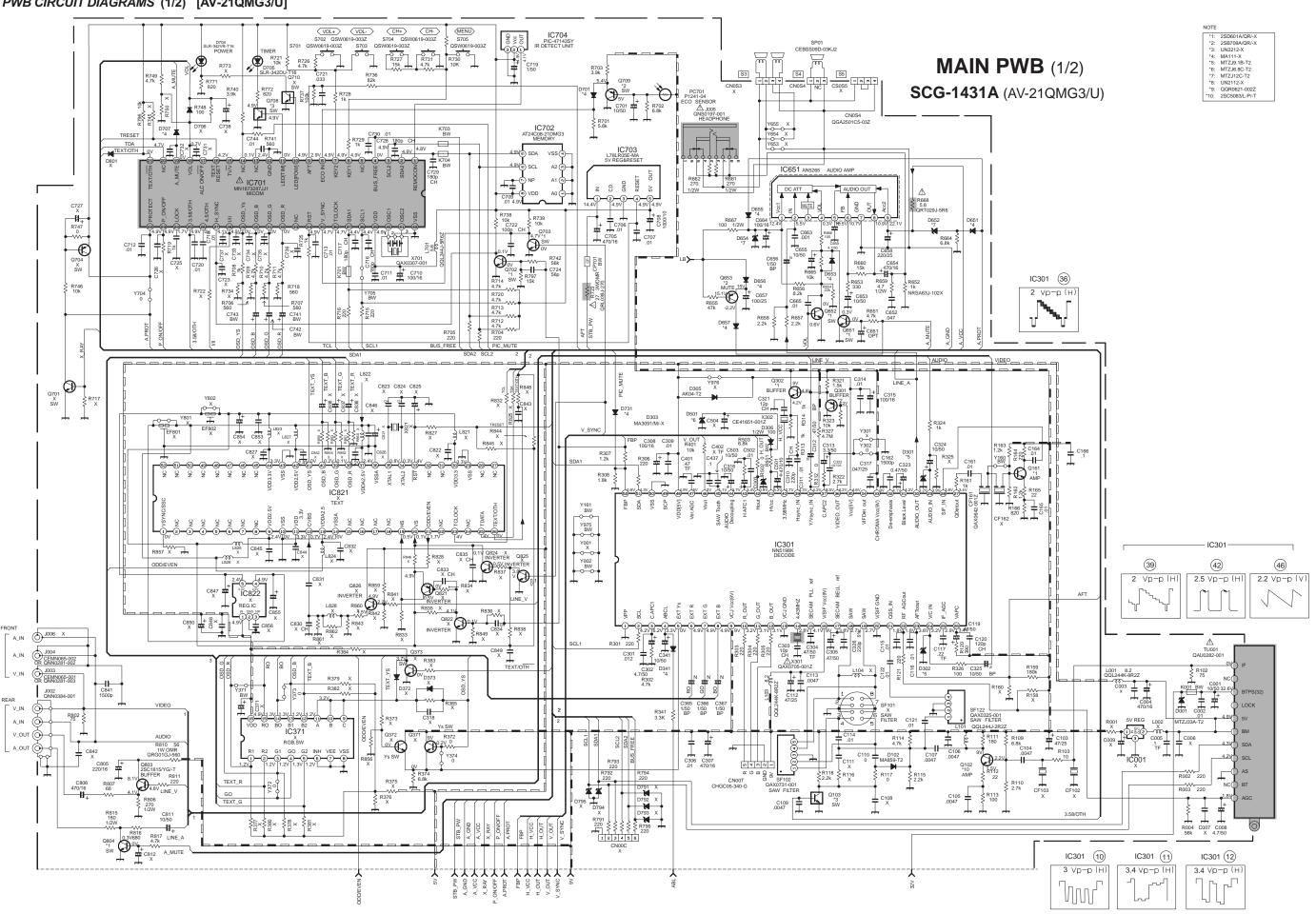
AV-21Q3 AV-21QMG3 AV-2115EE AV-21Q3 AV-21QMG3 AV-2115EE

CIRCUIT DIAGRAMS MAIN PWB CIRCUIT DIAGRAMS (1/2) [AV-21Q3/D, AV-21Q3/HK, AV-21Q3/AU, AV-2115EE, AV-21QMG3, AV-21QMG3/-A] **MAIN PWB** (1/2) VOL-1619-003Z S703 CH+ S704 QSV CH-619-003Z **SCG-1424A** (AV-21Q3/D) R736 82k **SCG-1441A** (AV-21Q3/HK, AV-21Q3/AU) 3 3 3 3 3 4.9V **SCG-1442A** (AV-2115EE) 1 ¥ (3) sī **SCG-1443A** (AV-21QMG3,AV-21QMG3/-A) 1.9V *3 SW 7 R738 R739 10k 100b CH 2703 10k 2702 10c CH 2703 10k 2703 10k 2703 10k 2703 10k 2703 10k 2702 77 4.4 (3.44) 4.91 (2.44) 2.91 (2.44) 4.91 R664 6.8k **©** ₽26₩ ₩2 IC301 (36) R746 10k 2 Vp-p (H) \$2 \$2 \$2 Q701 X SW 0302 9V 4.9V 1.5k 1.5k 0301 12p 011 2p 011 2p 011 2p 012 2v 012 2v 012 2v 013 2v 014 2v 015 2v 016 2v 017 2 Q161 AMP Y002 BW 39 (42) 2 Vp-p(H) 2.5 Vp-p (H) 2.2 Vp-p (V) R326 C325 100 10/50 BF R159 180k R375 X R004 C007 C008 56k X 4.7/50 IC301 (11) IC301 (12) 3.4 Vp-p (H) 3 Vp-p (H) 3.4 Vp-p (H)

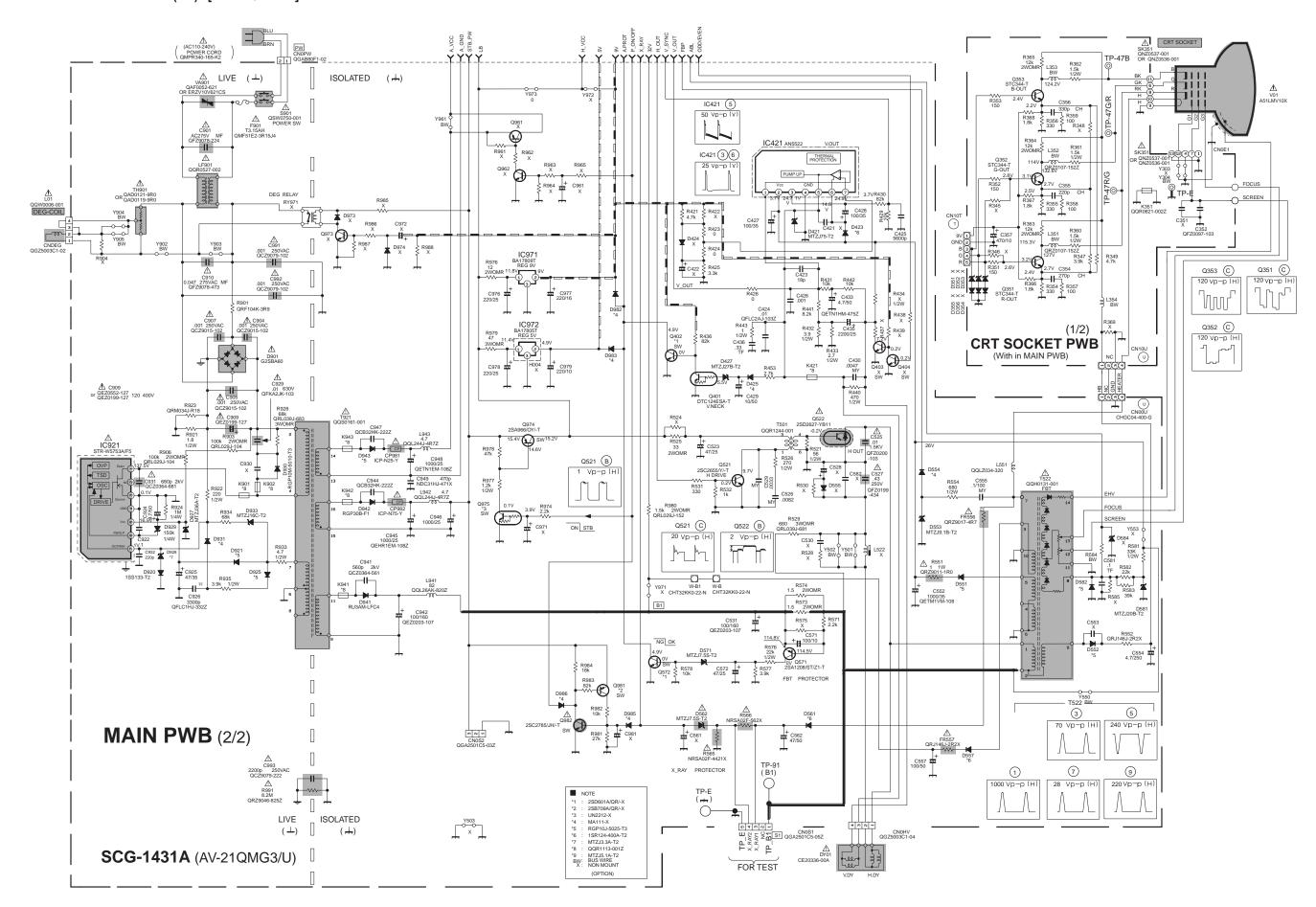
MAIN PWB CIRCUIT DIAGRAMS (2/2) [AV-21Q3/D, AV-21Q3/HK, AV-21Q3/AU, AV-2115EE, AV-21QMG3, AV-21QMG3/-A]



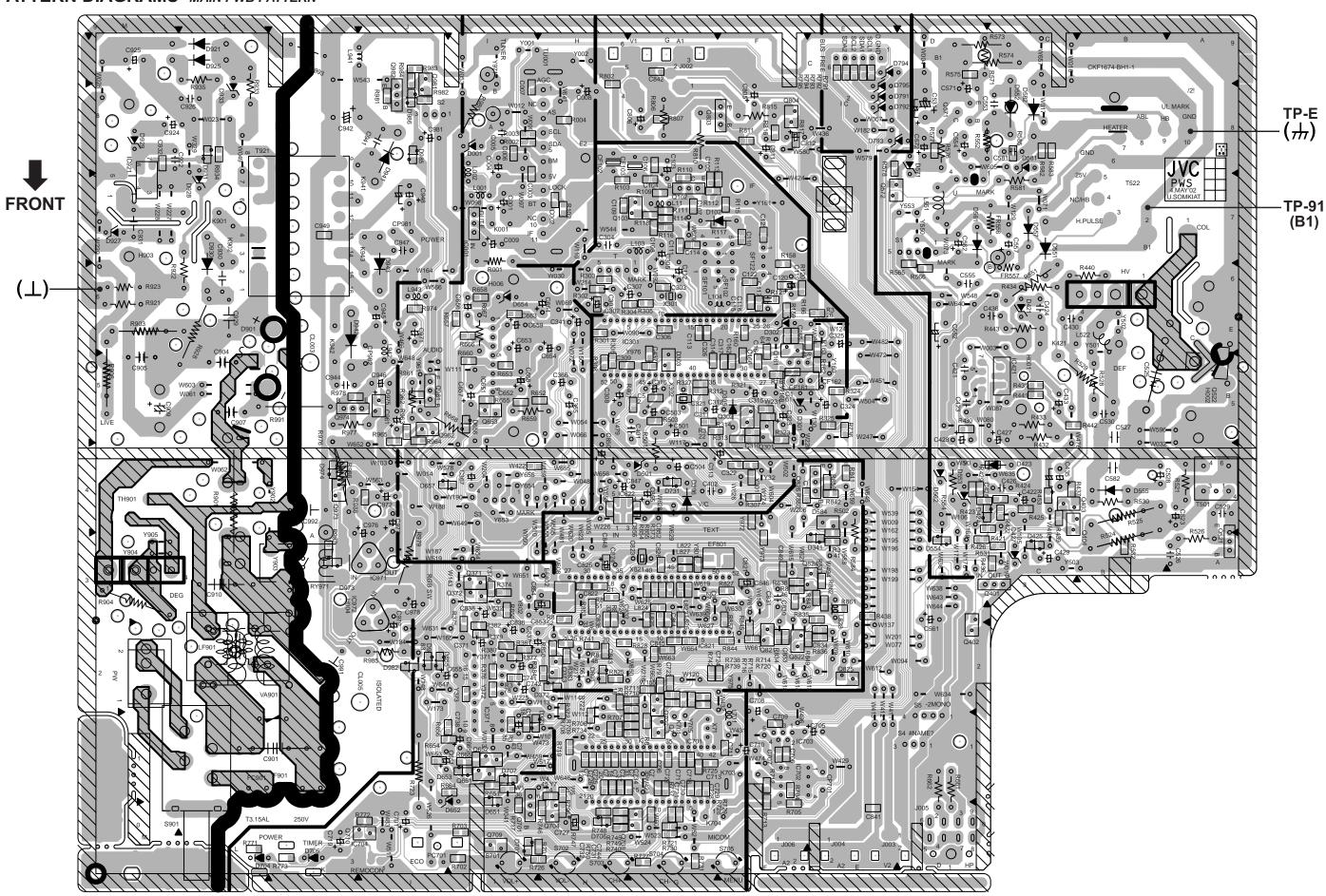
MAIN PWB CIRCUIT DIAGRAMS (1/2) [AV-21QMG3/U]



MAIN PWB CIRCUIT DIAGRAM (2/2) [AV-21QMG3/U]

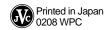


PATTERN DIAGRAMS MAIN PWB PATTERN





 $HOME\ AV\ NETWORK\ BUSINESS\ UNIT.\ 12,\ 3-chome,\ Moriya-cho,\ Kanagawa-ku,\ Yokohama,\ Kanagawa-prefecture,\ 221-8528,\ Japan$



PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS	CAPACITORS		
CR	Carbon Resistor	C CAP.	Ceramic Capacitor	
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor	
PR	Plate Resistor	M CAP.	Mylar Capacitor	
VR	Variable Resistor	HV CAP.	High Voltage Capacitor	
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor	
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor	
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor	
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor	
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor	
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor	
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor	
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor	
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor	
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor	
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor	
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor	
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor	
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor	

TOLERANCES									
F	F G J K M N R H Z P								
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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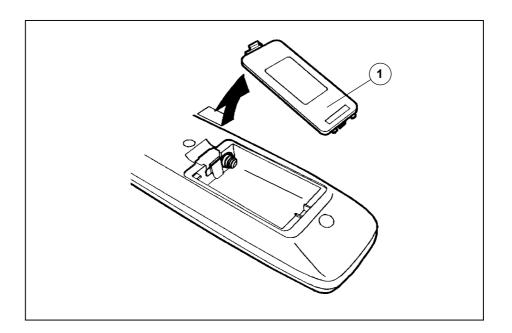
USING PW BOARD & REMOTE CONTROL UNIT

PWB ASS'Y Model	MAIN PWB	REMOTE CONTROL UNIT
AV-21Q3/D	SCG-1424A	RM-C364GY-1H
AV-21Q3/AU	SCG-1441A	†
AV-21Q3/HK	↑	†
AV-21QMG3	SCG-1443A	†
AV-21QMG3/-A	↑	†
AV-21QMG3/U	SCG-1431A	†
AV-2115EE	SCG-1442A	↑

REMOTE CONTROL UNIT PARTS LIST

REMOTE CONTROL UNIT PARTS LIST (RM-C364GY-1H)

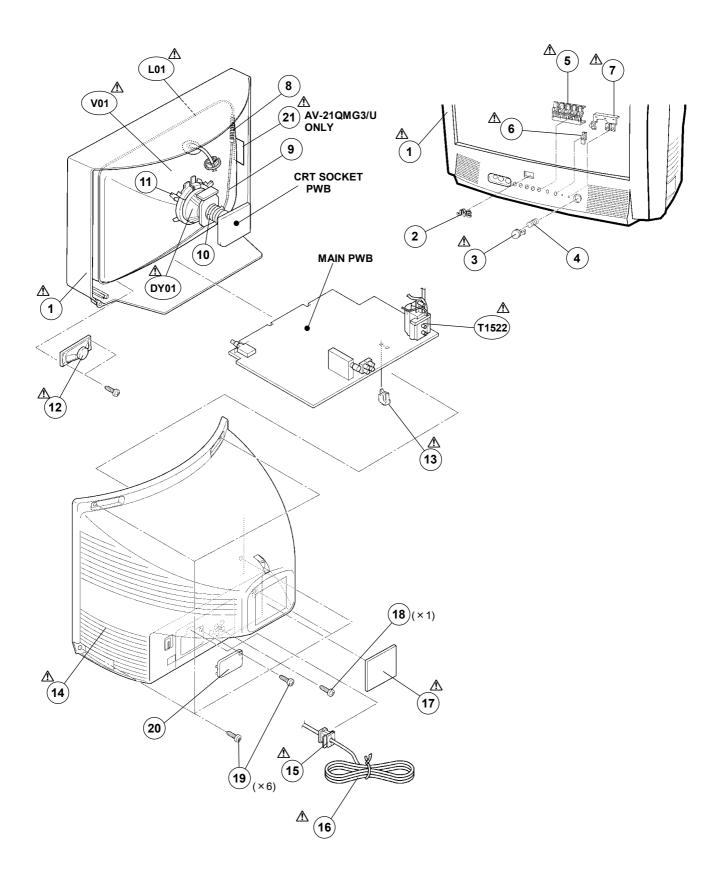
⚠ Ref.No.	Part No.	Part Name	Description
1	25-1168F	BATTERY COVER	



EXPLODED VIEW PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description
↑ V01 ↑ L01 ↑ DY01 ↑ T1522 ↑ 1 ↑ 1 ↑ 1 ↑ 1 ↑ 1 ↑ 1 ↑ 2 2 2 2 2 2 2 2 2 2 2 4 4 4 4 4	A51LMV10X QQW0006-001 CE20336-00A QQH0131-001 GG10196-001B-H GG10196-001B-H GG10196-002A-H GG10196-002A-H GG10196-002A-H GG10196-002A-H GG10196-001B-H CM48125-009 GG40023-001A-H GG40023-001A-H GG40023-001A-H GG40023-001A-H GG40023-001A-H CM35235-003-H CM35235-003-H CM35235-003-H CM35235-003-H	PICTURE TUBE DEG COIL DEF YOKE F.B.TRANSF. FRONT CABINET JVC MARK JVC MARC	AV-21Q3/D AV-21Q3/HK AV-21QMG3 AV-21QMG3/-A AV-21QMG3/U AV-2115EE AV-21Q3/D AV-21Q3/D AV-21Q3/HK AV-21QMG3 AV-21QMG3/-A AV-21QMG3/U AV-21QMG3/U AV-21QMG3/U AV-21QMG3/U AV-21QMG3/U AV-21Q3/D AV-21Q3/HK AV-21Q3/HK AV-21Q3/HK AV-21QMG3/U AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU
4 4 4 4 4 4 4 4 4 5 6 7 8 9 10 11 12 13 14 15 16 16 16 16 16 16 16 16 16 16	CM35235-003-H GG20035-001A-H GG30055-001A-H GG30055-001A-H A48457-1 CHGB0016-0B-N A75034-B CE42153-00AJ1 CEBS509D-03KJ2 CM48144-002-H CM12863-A02-MH CM23167-A01-H QMPR340-165-K2 QMPG990-165-K2 QMPR340-165-K2 CMS6617-B01-H CM36141-009-H	SPRING CONTROL KNOB REMOCON LENS LED LENS SPRING BRAIDED AS SY PREMOCON LENS SPRING BRAIDED AS SY PREMOCONER WEDGE ASSY SPEAKER PB STOPPER REAR COVER CORD CLAMP POWER CORD POWE	AV-2115EE or CE42378-00B (X3) AV-2103/D AV-2103/AU AV-2103/HK AV-210MG3/HK AV-210MG3/-A AV-210MG3/U AV-215EE (X1) (X6) AV-21QMG3/U

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

[AV-21Q3/D]

MAIN P.W. BOARD ASS'Y (SCG-1424A)

∆ Symbol No.	Part No.	Part Name	Description	⚠ Symbol No.	Part No.	Part Name	Description
RES	STOR			RESI	STOR		
RES 3 R1002 R1003 R1004 R1102 R1103 R1109 R1110 R1111 R1112 R1113 R1120 R1113 R1120 R11303 R1304 R1305 R1306 R1307 R1308 R1301 R1302 R1313 R1314 R1321 R1313 R1314 R1321 R1327 R1341 R1355 R1356 R1366 R1357 R1358 R1355 R1356 R1357 R1358 R1355 R1356 R1357 R1358 R1357 R1358 R1359 R1360 R1361 R1362 R1363 R1364 R1365 R1366 R1367 R1366 R1367 R1366 R1367 R1368 R1367 R1368 R1367 R1368 R1372 R1374 R1401 R1421 R1421 R1421 R1421	NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-100X NRSA63J-100X NRSA63J-100X NRSA63J-101X NRSA63J-101X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-331X NRSA63J-311X NRSA63J-311X NRSA63J-101X NRSA63J-10X NRSA63	MG R R R R R R R R R R R R R R R R R R R	220Ω 1/16W J 220Ω 1/16W J 56kΩ 1/16W J 75Ω 1/16W J 10Ω 1/16W J 6.8kΩ 1/16W J 1.8kΩ 1/16W J 1.8kΩ 1/16W J 1.0kΩ 1/16W J 1.8kΩ 1/16W J 1.5kΩ 1/2W K 1.5kΩ 1/2W K 1.5kΩ 1/2W K 1.5kΩ 1/2W K 1.5kΩ 1/16W J 1.8kΩ 1/16W J	R1443 R1443 R1443 R1453 R1502 R1502 R1503 R1525 R1526 R1529 R1531 R1552 R1551 R1552 R1554 R1551 R1577 R1578 R1578 R1578 R1581 R1577 R1578 R1581 R1652 R1583 R1651 R1652 R1653 R1654 R1655 R1656 R1657 R1658 R1659 R1660 R1661 R1662 R1664 R1666 R1667 Δ R1668 R1701 R1702 R1703 R1704 R1705 R1700 R1700 R1701 R1701 R1701 R1711 R1712 R1713 R1714 R1715 R1716 R1716 R1718	QRE121J-1ROY NRSA63J-272X NRSA63J-72X NRSA63J-682X QRL029J-180 QRE121J-271Y QRL039J-681 NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-102X QRE121J-180 QRE121J-222Y QRT029J-1R5 QRT029J-1	C MG R R R R R R R R R R R R R R R R R R	1.0Ω 1/2W J 2.7kΩ 1/16W J 0.0Ω 1/16W J 6.8kΩ 1/16W J 18Ω 2W J 270Ω 1/2W J 680Ω 3W J 330Ω 1/16W J 1.0 Ω 1/2W J 680Ω 1/2W J 2.2Ω 1/4W J 680Ω 1/2W J 2.2kΩ 1/2W J 1.5Ω 2W J 2.2kΩ 1/16W J 1.0kΩ 1/16W J 1.0kΩ 1/16W J 1.0kΩ 1/16W J 2.0kΩ 1/16W J 3.9kΩ 1/16W J
	NRSA63J-103X NRSA63J-472X	MG R MG R	10kΩ 1/16W J 4.7kΩ 1/16W J	R1716 R1718	NRSA63J-221X NRSA63J-561X	MG R MG R	220Ω 1/16W J 560Ω 1/16W J

[AV-21Q3/D]

<u></u> ∆ Symbol N	lo. Part No.	Part Name	Description
RE:	SISTOR		_
R1741 R1742 R1746 R1747 R1748 R1749 R1771 R1792 R1791 R1792 R1796 R1797 R1806 R1807 R1806 R1807 R1810 R1811 R1815 R1816 R1817 R1901 R1901 R1901 R1902 R1922 R1923 R1924 R1933 R1934 R1934 R1935 R1974 R1976 R1977 R1979 R1980 Δ R1991	NRSA63J-561X NRSA63J-563X NRSA63J-0R0X NRSA63J-101X NRSA63J-101X NRSA63J-211X NRSA63J-821X NRSA63J-821X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-153X NRSA63J-150X QRE121J-271Y NRSA63J-681X NRSA63J-681X NRSA63J-221X QRE121J-111Y NRSA63J-681X NRSA63J-681X NRSA63J-111Y NRSA63J-681X NRSA63J-681X NRSA63J-111Y NRSA63J-681X NRSA63J-681X NRSA63J-681X NRSA63J-681X NRSA63J-681X NRSA63J-681X NRSA63J-681X NRSA63J-683X QRE121J-1172Y QRE12J-1172Y	MG R R R R R R R R R R R R R R R R R R R	560Ω 1/16W J 56KΩ 1/16W J 10KΩ 1/16W J 10 Ω Ω 1/16W J 10 Ω Ω 1/16W J 10 Ω Ω 1/16W J 4.7KΩ 1/16W J 820Ω 1/16W J 820Ω 1/16W J 220Ω 1/16W J 520Ω 1/16W J 520Ω 1/16W J 520Ω 1/16W J 55Ω 1/16W J 55Ω 1/16W J 55Ω 1/16W J 270Ω 1/2W J 68Ω 1/16W J 220Ω 1/16W J 3.9Ω 10W K 100KΩ 2W J 100KΩ 2W J 100KΩ 2W J 2.2Ω 1/2W J 3.9KΩ 1/2W J 2.2KΩ 1/16W J 3.9KΩ 1/2W J 2.2KΩ 1/16W J 3.9KΩ 1/2W J 2.2KΩ 1/16W J 3.9KΩ 1/2W J 3.9KΩ 1/2W J 3.9KΩ 1/2W J 3.5KΩ 2W J
CAI	PACITOR		
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1162 C1303 C1304 C1307 C1308 C1309	QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QFV71HJ-224Z QETN1CM-474Z NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C	10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V M 470μF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 0.001 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V K

Symbol No.	Part No.	Part Name	Description
CAPA	ACITOR		
C1310 C1311 C1312 C1313 C1314 C1315 C1314 C1315 C1316 C1317 C1321 C1322 C1323 C1324 C1325 C1326 C1327 C1326 C1357 C1365 C1367 C1365 C1367 C1401 C1423 C1424 C1427 C1428 C1455 C1557 C1516 C1501 C1502 C1503 C1505 C1506 C1507 C1508 C1507 C1509 C1508 C1507 C1509 C1508 C1509	NDC31HJ-221X NCB31HK-103X QENC1HM-474Z QETN1HM-355Z NCB31HK-103X QETN1LM-107Z QETN1HM-106Z NCB31EK-473X NDC31HJ-120X NCB31EK-473X QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-105Z QETN1HM-105Z QETN1HM-105Z QERC1HM-105Z QERC1HM-105Z QENC1HM-105Z QETN1HM-10Z QETN1YM-10Z QETN1YM-10Z QETN1YM-10Z QETN1YM-10Z QETN1HM-10Z	C CAP. C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. E CAP. C CAP. E CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. C CAP. E CAP. E CAP. M CAP. E CAP. E CAP. M CAP. E	220pF 50V J 0.01µF 50V K 0.47µF 50V M 3.3µF 50V M 0.01µF 50V K 100µF 16V M 10µF 50V M 0.047µF 25V K 12pF 50V J 0.027µF 25V K 0.47µF 50V M 10µF 50V M 10µF 50V M 10µF 50V M 220pF 50V J 220pF 50V J 220pF 50V J 220pF 50V J 10µF 50V M 10µF 50V M 1µF 50V M 100µF 35V M 100µF 35V M 100µF 35V M 100µF 50V J 100µF 50V M 470µF 10V M 0.01µF 50V M 470µF 10V M 0.01µF 50V M 10µF 50V M
C1659 C1663 C1664 C1665 C1701 C1705	QETN1HM-475Z NCB31HK-102X QETN1CM-107Z NCB31HK-103X QETN1HM-106Z QETN1CM-477Z	E CAP. C CAP. E CAP. C CAP. E CAP. E CAP.	4.7µF 50V M 1000pF 50V K 100µF 16V M 0.01µF 50V K 10µF 50V M 470µF 16V M
	C1310 C1311 C1312 C1313 C1314 C1315 C1314 C1315 C1316 C1317 C1321 C1322 C1324 C1325 C1326 C1327 C1326 C1327 C1401 C14128 C1428 C1428 C1428 C1428 C1428 C1428 C1428 C1428 C1429 C1430 C1428 C1428 C1429 C1430 C1437 C1501 C1512 C1527 C1529 C1531 C1555 C1557 C1558 C1557 C1558 C1557 C1559 C1551 C1555 C1557 C1551 C1555 C1557 C1558 C1557 C1558 C1557 C1558 C1657 C1658 C1659 C1657 C1658 C1659 C1664 C1665 C1701 C1706 C1706 C1707 C1708 C1710 C1711 C1711 C1711 C1711 C1711	C1310 NDC31HJ-221X C1311 NCB31HK-103X C1312 QENC1HM-474Z C1313 QETN1HM-335Z C1314 NCB31HK-103X C1315 QETN1CH-107Z C1316 QETN1HM-335Z C1314 NCB31HK-103X C1317 NCB31EK-473X C1321 NDC31HJ-120X C1322 NCB31EK-273X C1321 NDC31HJ-120X C1322 NCB31EK-273X C1323 QETN1HM-106Z C1325 QENC1HM-106Z C1326 NCS21HJ-221X C1326 NCS21HJ-221X C1341 QETN1HM-106Z C1352 QFZ0097-103 C1354 NDC31HJ-271X C1355 NDC31HJ-271X C1356 NDC31HJ-271X C1357 QETN1AM-477Z C1356 QENC1HM-105Z C1357 QENC1HM-105Z C1356 QENC1HM-105Z C1366 QENC1HM-105Z C1367 QENC1HM-105Z C1366 QENC1HM-105Z C1367 QENC1HM-105Z C1428 QETN1AM-477Z C1423 QCS32HJ-180Z C1424 QFLC2AJ-103Z C1426 QFLC1HJ-102Z C1427 QETN1JM-107Z C1428 QETN1YM-107Z C1428 QETN1YM-107Z C1429 QETN1HM-106Z C1430 QFLC2AJ-472Z C1431 QETN1HM-106Z C1433 QETN1HM-106Z C1433 QETN1HM-106Z C1434 QETN1HM-106Z C1435 QETN1HM-106Z C1436 QFV71HJ-334Z C1437 NCB31HK-104X C1501 QETN1AM-477Z C1429 QETN1HM-106Z C1430 QFLC2AJ-102Z C1431 QETN1HM-106Z C1523 QETN1EM-476Z C1433 QETN1HM-106Z C1523 QETN1HM-106Z C1523 QETN1HM-106Z C1524 QETN1HM-106Z C1525 QFZ0200-103 C1526 QFLC1HJ-103Z C1527 QFZ0199-434 C1529 QFLC2AJ-102Z C1531 QEZ0203-107 C1552 QETN1HM-106Z C1555 QETN1HM-106Z C1555 QETN1HM-106Z C1556 QENC1HM-105Z C1557 QETN1HM-106Z C1557 QETN1HM-106Z C1558 QETN1HM-106Z C1559 QETN1HM-106Z C1559 QETN1HM-106Z C1551 QETN1HM-106Z C1552 QETN1HM-106Z C1553 QETN1HM-106Z C1554 QETN1HM-106Z C1555 QETN1HM-106Z C1555 QETN1HM-106Z C1556 QENC1HM-105Z C1557 QETN1HM-106Z C1557 QETN1HM-106Z C1558 QETN1HM-106Z C1559 QETN1HM-106Z C1559 QETN1HM-106Z C1559 QETN1HM-106Z C1550 QETN1HM-106Z C1551 QETN1HM-106Z C1551 QETN1HM-106Z C1552 QETN1HM-106Z C1553 QETN1HM-106Z C1554 QETN1HM-106Z C1555 QETN1HM-106Z C1556 QENC1HM-105Z C1570 QETN1HM-106Z C1571 QETN1AM-107Z C1571 QETN1AM-107Z C1572 QETN1HM-106Z C1571 QETN1AM-107Z C1571 QETN1AM-103X C1710 QETN1AM-103X C1711 NCB31HK-103X C1711 NCB31HK-103	CAPACITOR C1310 NDC31HJ-221X C CAP. C1311 QENC1HM-474Z E CAP. C1312 QENC1HM-474Z E CAP. C1313 QETN1HM-335Z E CAP. C1315 QETN1CM-107Z E CAP. C1315 QETN1CM-107Z E CAP. C1316 QETN1HM-106Z E CAP. C1317 NCB31EK-473X C CAP. C1321 NDC31HJ-120X C CAP. C1321 NDC31HJ-120X C CAP. C1322 QESSIEK-273X C CAP. C1323 QETN1HM-474Z E CAP. C1324 QETN1HM-106Z B CAP. C1325 QENC1HM-106Z B CAP. C1325 QENC1HM-106Z B CAP. C1326 QENC1HM-106Z B CAP. C1351 QETN1HM-106Z C CAP. C1352 QENC1HM-106Z B CAP. C1353 QETN1HM-20X C CAP. C1354 QETN1HM-105Z E CAP. C1355 NDC31HJ-221X C CAP. C1355 NDC31HJ-221X C CAP. C1356 QENC1HM-105Z E CAP. C1357 QETN1AM-477Z E CAP. C1366 QENC1HM-105Z E CAP. C1366 QENC1HM-105Z E CAP. C1401 QFV71HJ-474Z MF CAP. C1401 QFV71HJ-474Z MF CAP. C1402 QESSIHJ-180D C CAP. C1403 QCS32HJ-180D C CAP. C1403 QCS32HJ-180D C CAP. C1404 QFLC2AJ-103Z M CAP. C1404 QFLC2AJ-103Z M CAP. C1405 QFLC1HJ-107Z E CAP. C1407 QETN1HM-107Z E CAP. C1408 QETN1HM-107Z E CAP. C1409 QETN1HM-107Z E CAP. C1409 QETN1HM-107Z E CAP. C1401 QFV71HJ-474Z MF CAP. C1403 QCS32HJ-180D C CAP. C1404 QFLC2AJ-103Z M CAP. C1405 QFLC1HJ-107Z M CAP. C1407 QETN1HM-107Z E CAP. C1408 QETN1HM-107Z E CAP. C1409 QETN1HM-107Z E CAP. C1409 QETN1HM-107Z E CAP. C1407 QETN1HM-107Z E CAP. C1408 QETN1HM-107Z E CAP. C1409 QETN1HM-107Z E CAP. C1501 QETN1HM-107Z E CAP. C1502 NGB31HK-103X C CAP. C1503 QETN1HM-106Z E CAP. C1505 QETN1HM-106Z E CAP. C1506 QFLC2HJ-103Z M CAP. C1507 QFD0199-434 MPP CAP. C1508 QETN1HM-106Z E CAP. C1509 QETN1HM-107Z E CAP. C1501 QETN1AM-477Z E CAP. C1501 QETN1AM-477Z E CAP. C1502 QETN1HM-106Z E CAP. C1503 QETN1HM-106Z E CAP. C1504 QETN1HM-106Z E CAP. C1505 QETN1HM-106Z E CAP. C1507 QETN1HM-106Z E CAP. C1508 QETN1HM-106Z E CAP. C1509 QETN1HM-106Z E CAP. C1509 QETN1HM-106Z E CAP. C1501 QETN1HM-106Z E CAP. C1501 QETN1HM-106Z E CAP. C1502 QETN1HM-106Z E CAP. C1503 QETN1HM-106Z E CAP. C1504 QETN1HM-106Z E CAP. C1505 QETN1HM-106Z E CAP. C1507 QETN1HM-106Z E CAP. C1509 QETN1HM-106Z E CAP. C1509 QETN1HM-106Z E CAP. C1509 QETN1HM-106Z E CAP. C1509 QETN1HM-106Z E CAP. C150

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⚠ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
CAPA	ACITOR			DIO	DE		
C1718 C1719 C1720 C1721 C1720 C1721 C1724 C1724 C1728 C1729 C1730 C1741 C1742 C1743 C1744 C1805 C1806 C1811 C1841 A C1901 A C1904 A C1905 A C1907 A C1909 A C1910 C1922 C1924 C1925 C1926 C1925 C1926 C1929 C1924 C1925 C1926 C1927 C1927 C1928 C1931 C1932 C1941 C1942 C1944 C1945 C1947 C1948 C1947 C1948 C1949 C1947 C1948 C1949 C1977 C1978 C1977 C1978 C1979 A C1999 A C1999 A C1999	NCB31HK-103X QETN1HH-105Z NCB31HK-103X NCB31EK-333X NDC31HJ-101X NDC31HJ-161X NDC31HJ-161X NDC31HJ-181X NDC31HJ-181X NCB31HK-103X QETN1HH-106Z QETN1HH-106Z QETN1HH-106Z NCB31HK-103X QETN1CM-277Z QETN1CM-277Z QETN1HH-106Z NCB31HK-105Z NCB31HK-105Z NCB31HK-105Z QCZ9015-102 QEZ01HJ-104T QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z QETN1HM-108Z QCZ0364-661 QCZ0364-661 QCZ031HJ-271X QETN1EM-108Z QCZ031HJ-471X QETN1EM-108Z QCZ031HJ-471X QETN1EM-127Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QETN1EM-27Z QCZ9079-102 QCZ9079-102 QCZ9079-102 QCZ9079-22Z	C CAP. E CAP. C	0.01µF 50V K 1µF 50V M 0.01µF 50V K 0.033µF 25V K 100pF 50V J 560P 50V J 180pF 50V J 180pF 50V J 0.01µF 50V M 10µF 50V M 10µF 50V M 10µF 50V M 0.01µF 50V M 10µF 50V M 10µF 50V M 10µF 50V M 10µF 50V M 100µF 16V M 10µF 50V M 100µF 16V M 100µF 16V M 100µF 50V M 1500PF 50V Z 1000pFAC250V Z 1000pFAC250V Z 1000pFAC250V Z 1000pFAC250V J 0.01µF 50V M 0.1µF 50V J 4.7µF 50V M 4.7µF 50V J 4.7µF 50V M 4.7µF 60V M 4.7µF 60V M 4.7µF 60V M 4.7µ	D1001 D1102 D1301 D1302 D1305 D1306 D1341 D1421 D1423 D1425 D1427 D1501 D1551 D1552 D1553 D1554 D1557 D1571 D1581 D1582 D1651 D1655 D1656 D1657 D1670 D1707 D1710 D1704 D1704 D1705 D1707 D1731 ▲ D1901 D1921 D1925 D1927 D1928 D1929 D1930 D1931 D1933 D1941 D1942 D1943 D1942 D1943 D1942 D1943 D1942 D1943 D1942 D1943	MTZJ33A-T2 IM-BW MTZJ9.1B-T2 MTZJ9.1B-T2 AK04-T2 QRE121J-121Y MA111-X MTZJ75-T2 ISR124-400A-T2 MA111-X MTZJ27B-T2 MTZJ6.8C-T2 RGP10J-5025-T3 RGP10J-5025-T3 RGP10J-5025-T3 MTZJ9.1B-T2 MA111-X ISR124-400A-T2 MTZJ7.55-T2 MTZJ20B-T2 RGP10J-5025-T3 MTZJ9.1B-T2 MA111-X MTZJ12C-T2 MA111-X MTZJ12C-T2 MA111-X MA111-C RGP10J-5025-T3 MTZJ36A-T2 MTZJ16C-T2 RUSAM-LFC4 RUSYX-LFC4 RGP10J-5025-T3 MA111-X MA111-X	ZENER DIODE BUS WIRE ZENER DIODE ZENER DIODE C R SI. DIODE ZENER DIODE SI. DIODE ZENER DIODE SI. DIODE ZENER DIODE SI. DIODE SI. DIODE SI. DIODE SI. DIODE ZENER DIODE ZENER DIODE SI. DIODE ZENER DIODE SI. DIODE	120Ω 1/2W J
TRAI	NSFORM	ER			NSISTO		
T1501 ↑ T1522 ↑ T1921	QQR1244-001 QQH0131-001 QQS0161-001	DRIVE TRANSF. F.B.TRANSF. SW TRANSF.		01102 01301 01302 01351 01352	2SC5083/L-P/-T 2SB709A/QR/-X 2SD601A/QR/-X STC344-T STC344-T	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	
COII	_			Q1353 01401	S1C344-1	SI.TRANSISTOR	
L1001 L1101 L1103 L1351 L1352 L1353 L1354 L1701 L1701 L1941 L1942 L1943	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z IM-BW IM-BW IM-BW QQL2034-320 QQL244J-5R6Z QQL264K-820Z QQL264J-4R7Z QQL244J-4R7Z	COIL COIL BUS WIRE BUS WIRE BUS WIRE BUS WIRE INDUCTOR COIL INDUCTOR INDUCTOR	8.2µН К 2.2µН Ј 8.2µН К 5.6µН Ј 82µН К	01402 01403 01404 01521 Δ 01522 01577 01572 01651 01652 01702 01702 01708 01708 01709 01803 01804 01975	DILIZESAT. 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SC2655/Y/-T 2SD627-YB11 2SA1208/5T/Z1-T 2SD601A/QR/-X 2SA966/OY/-T UN2212-X	SI.TRANSISTOR	H.OUT

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Δ :	Symbol No.	Part No.	Part Name	Description
	IC			
	IC1301 IC1421 IC1651 IC1701 IC1702 IC1703 IC1704 IC1921 IC1971 IC1972	NN5198K AN5522 AN5565 MN1873287JL1 AT24C08-21DMG3 L78LRO5E-MA PIC-471435Y STR-W5753A/F5 BA17805T	I C I C I C I C I C I C IR DETECT UNIT I C I C I C	(SERVICE)
	ОТНЕ	RS		
	CP1701 CP1981 CP1982 F19901 FC19901 FF1557 J1002 J1003 J1004 J1005 K1001 K1351 K1421 K1701 K1703 K1701 K1704 K1901 K1901 K1942 K1943 LF1943 LF1901	LC30114-001C-H CM35921-B02 IM-BW ICP-N25-Y ICP-N75-Y QMF51E2-3R15J4 CEMG002-001Z QR31461-2R2X QNN0281-003 QNN0281-002 QNS0197-001 IM-BW QQR0613-001Z IM-BW IM-BW IM-BW IM-BW IM-BW QQR1113-001Z QQR10527-002	LED HOLDER CDS HOLDER BUS WIRE I.C.PROTECT I.C.PROTECT I.C.PROTECT FUSE FUSE CLIP C R PIN JACK PIN JACK PIN JACK BUS WIRE BUS FERRITE BEADS	3.15A 2.2Ω 1/4W J or CEMN065-001 or CEMN065-002
V	51701 51702 51703 51704 51705 51901 5F1102	QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0666-002	TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH PUSH SWITCH SAW FILTER	VOL+ VOL- CH+ CH- MENU POWER SW
<u> </u>	SF1122 SK1351 TH1901 TP-47G TP-E	QAX0325-001 QNZ0537-001 QAD0121-9R0 IM-BW IM-BW	SAW FILTER CRT SOCKET THERMISTOR BUS WIRE BUS WIRE	or QNZ0536-001 or QAD0119-9R0
<u>A</u> 1 <u>A</u> 1	TU1001 VA1901 X1301 X1302 X1701	QAU0282-001 ERZV10V621CS QAX0705-001Z CE41651-001Z QAX0307-001	TUNER VARISTOR CRYSTAL X-TAL C RESONATOR	or QAF0052-621

PRINTED WIRING BOARD PARTS LIST

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MAIN P.W. BOARD ASS'Y (SCG-1441A)

∆ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
RESI	STOR			RESI	STOR		
RES 3 R1002 R1003 R1004 R1102 R1103 R1109 R1110 R1111 R1112 R1113 R1120 R1121 R1159 R1301 R1302 R1303 R1304 R1305 R1306 R1307 R1308 R1307 R1308 R1312 R1322 R1323 R1324 R1322 R1323 R1324 R1325 R1353 R1354 R1357 R1341 R1347 R1349 R1351 R1352 R1353 R1354 R1355 R1366 R1357 R1358 R1356 R1367 R1368 R1367 R1368 R1367 R1368 R1367 R1368 R1367 R1368 R1367 R1368 R1374 R1401 R1421 R1423 R1424 R1425	NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-100X NRSA63J-100X NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-221X NRSA63J-221X NRSA63J-221X NRSA63J-101X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-151X NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-331X NRSA63J-101X NRSA63J-10X	MG R R MG R R MG R R R MG R R R MG R R R MG R R R MG R R R MG R R R MG R MG R R MG R MG R MG R MG R MG R MG R R MG	220Ω 1/16W J 220Ω 1/16W J 256Ω 1/16W J 75Ω 1/16W J 10Ω 1/16W J 10Ω 1/16W J 2.7kΩ 1/16W J 10Ω 1/16W J 10Ω 1/16W J 10Ω 1/16W J 10Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 220Ω 1/16W J 100Ω 1/16W J 1.2kΩ 1/16W J 1.8kΩ 1/16W J 1.8kΩ 1/16W J 1.8kΩ 1/16W J 1.5kΩ 1/16W J 3.3kΩ 1/16W J	R1453 R1502 R1503 R1503 R1503 R1525 R1526 R1529 R1531 R1552 R1554 R1551 R1554 R1577 R1578 R1578 R1578 R1577 R1578 R1581 R1582 R1581 R1661 R1661 R1661 R1665 R1665 R1665 R16666 R1667 ▲ R1668 R1667 R1660 R1661 R1666 R1667 R1660 R1661 R1666 R1667 R1660 R1661 R1661 R1660 R1661 R1660 R1661 R1661 R1661 R1661 R1660 R1661 R1662 R1661 R1662 R1661 R1661 R1661 R1661 R1661 R1662 R1661 R1661 R1661 R1662 R1661 R1661 R1661 R1662 R1661 R1661 R1662 R1661 R1661 R1662 R1662 R1661 R1662 R1661 R1662 R1661 R1662 R1661 R1662 R1662 R1661 R1662 R1662 R1664 R1665 R1665 R16660 R1661 R1661 R1662 R1661 R1662 R1662 R1662 R1664 R1665 R16660 R1661 R1662 R16660 R1661 R1662 R1662 R16660 R1661 R1662 R1662 R16660 R1661 R1662 R1662 R1662 R1664 R1665 R16660 R1661 R1662 R1661 R1662 R1661	NRSA63J-272X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-102X QRE121J-271Y QRL039J-681 NRSA63J-302X NRSA63J-102X QRE121J-681Y QRE121J-681Y QRE121J-222Y QRE121J-222Y QRE121J-222Y NRSA63J-392X NRSA63J-392X NRSA63J-223X NRSA63J-223X NRSA63J-372X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-223X NRSA63J-103X QRE121J-101Y QRE121J-271Y QRE121J-271Y QRE121J-271Y NRSA63J-682X NRSA63J-103X QRE121J-101Y QRE121	MG R R R R R R R R R R R R R R R R R R R	2.7kΩ 1/16W J 0.0Ω 1/16W J 6.8kΩ 1/16W J 18Ω 2W J 270Ω 1/2W J 680Ω 3W J 330Ω 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1.0 Ω 1/2W J 2.2Ω 1/4W J 680Ω 1/2W J 2.2kΩ 1/2W J 1.5Ω 2W J 1.5Ω 2W J 1.5Ω 2W J 1.5Ω 2W J 2.2kΩ 1/16W J 3.9kΩ 1/16W J 2.2kΩ 1/16W J 3.0kΩ 1/16W J
R1424	NRSA63J-OROX	MG R	0.0Ω 1/16W J	R1721	NRSA63J-103X	MG R MG R	10kΩ 1/16W J

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Symbol No		Part Name	Description
RES	ISTOR		
R1746	NRSA63J-103X	MG R	10kΩ 1/16W J
R1747	NRSA63J-OROX	MG R	0.0Ω 1/16W J
R1748	NRSA63J-101X	MG R	100Ω 1/16W J
R1749	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1771 R1772	NRSA63J-821X NRSA63J-821X	MG R MG R	820Ω 1/16W J 820Ω 1/16W J
R1772 R1791	NRSA63J-221X	MG R	220Ω 1/16W J
R1792	NRSA63J-221X	MG R	220Ω 1/16W J
R1793	NRSA63J-221X	MG R	220Ω 1/16W J
R1794	NRSA63J-221X	MG R	220Ω 1/16W J
R1795	NRSA63J-221X	MG R	220Ω 1/16W J
R1796	NRSA63J-103X	MG R	10kΩ 1/16W J
R1797	NRSA63J-153X	MG R	15kΩ 1/16W J
R1802	NRSA63J-750X	MG R	75Ω 1/16W J
R1806	QRE121J-271Y	C R MG R	270Ω 1/2W J 68Ω 1/16W J
R1807 R1810	NRSA63J-680X QRG01GJ-560	OM R	68Ω 1/16W J 56Ω 1W J
R1811	NRSA63J-221X	MG R	220Ω 1/16W J
R1815	QRE121J-181Y	C R	180Ω 1/2W J
R1816	NRSA63J-681X	MG R	680Ω 1/16W J
R1817	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1901	QRF104K-3R9	UNF R	3.9Ω 10W K
R1903	QRL029J-104	OM R	100kΩ 2W J
R1906	QRL029J-104	OM_R	100kΩ 2W J
R1921	QRE121J-2R2Y	C R	2.2Ω 1/2W J
R1922	QRE121J-221Y	C R	220Ω 1/2W J
R1923 R1928	QRM034J-R22 QRL039J-683	MP R OM R	0.22Ω 3W J 68kΩ 3W J
R1933	QRE121J-4R7Y	C R	4.7Ω 1/2W J
R1934	NRSA63J-683X	MG R	68kΩ 1/16W J
R1935	QRE121J-392Y	C R	3.9kΩ 1/2W J
R1974	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R1976	QRL029J-120	OM R	12Ω 2W J
R1977	QRE121J-122Y	C R	1.2kΩ 1/2W J
R1978	NRSA63J-473X	MG R	47kΩ 1/16W J
R1979	QRL039J-470	OM R	47Ω 3W J
R1980	QRL029J-152	OM R	1.5kΩ 2W J
R1991	QRZ9046-825Z	C R	1.5kΩ 2W J 8.2MΩ 1/2W K
R1991 CAP	QRZ9046-825Z	C R	8.2MΩ 1/2W K
R1991 CAP C1001	QRZ9046-825Z PACITOR QETN1HM-106Z	C R E CAP.	8.2MΩ 1/2W K 10μF 50V M
R1991 CAP C1001 C1002	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X	C R E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K
R1991 CAP C1001 C1002 C1004	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X QETN1CM-477Z	C R E CAP. C CAP. E CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M
C1001 C1002 C1004 C1005	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z	C R E CAP. C CAP. E CAP. MF CAP.	8.2MΩ 1/2W K 10µF 50V M 0.01µF 50V K 470µF 16V M 0.1µF 50V J
R1991 CAP C1001 C1002 C1004 C1005 C1008	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z	C R E CAP. C CAP. HF CAP. E CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M
C1001 C1002 C1004 C1005	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z	C R E CAP. C CAP. E CAP. MF CAP. E CAP. E CAP. E CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M
C1001 C1002 C1004 C1005 C1008 C1103	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z	E CAP. C CAP. E CAP. MF CAP. E CAP. E CAP. C CAP.	8.2M\(\Omega\) 1/2W K 10\(\mu\)F 50V M 0.01\(\mu\)F 50V K 470\(\mu\)F 50V J 4.7\(\mu\)F 50V J 4.7\(\mu\)F 50V M 470\(\mu\)F 50V K 470\(\mu\)F 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106	QRZ9046-825Z PACITOR QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X	C R E CAP. C CAP. E CAP. MF CAP. E CAP. C CAP. C CAP. C CAP.	8.2M\(\Omega\) 1/2\(\text{W}\) K 10\(\mu\)F 50\(\text{V}\) M 0.01\(\mu\)F 50\(\text{V}\) K 470\(\mu\)F 16\(\text{V}\) M 4.7\(\mu\)F 50\(\text{V}\) M 470\(\mu\)F 50\(\text{V}\) K 470\(\mu\)F 50\(\text{V}\) K 470\(\mu\)F 50\(\text{V}\) K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFY71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X	C R E CAP. C CAP. E CAP. BE CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. MG R	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700PF 50V K
R1991 CAP C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X	E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. C CAP.	8.2M\(\Omega\) 1/2W K 10\(\mu\)F 50V M 0.01\(\mu\)F 50V K 470\(\mu\)F 50V J 4.7\(\mu\)F 50V M 47\(\mu\)F 50V M 47\(\mu\)F 50V M 47\(\mu\)P 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11110 C11111	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1EM-476Z NCB31HK-472X	C R E CAP. C CAP. MF CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1CM-477Z QETN1EM-476Z NCB31HK-472X	C R E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V M 4.7μF 50V M 470μF 50V K 4700μF 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11110 C11111	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1EM-476Z NCB31HK-472X	C R E CAP. C CAP. HF CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CH-477Z QFV71HJ-104Z QETN1HH-475Z QETN1EH-476Z NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.0Ω 1/16W J 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP. E CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C11106 C11107 C1110 C11112 C11113 C11114 C1115 C1116 C1117 C1119 C1119 C1120	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CH-477Z QFV71HJ-104Z QETN1HH-475Z QETN1EH-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X QETN1EM-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QFV71HJ-24Z QETN1HH-474Z QETN1HH-474Z QETN1HH-474Z QETN1HH-474Z NDC31HJ-121X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2M\(\Omega\) 1/2W K 10\(\mu\)F 50V M 0.01\(\mu\)F 50V K 470\(\mu\)F 16V M 0.1\(\mu\)F 50V J 4.7\(\mu\)F 50V M 470\(\mu\)F 50V K 0.0\(\Omega\) 1/16W J 47\(\mu\)F 50V K 0.01\(\mu\)F 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1HM-104Z QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K
R1991 CAP C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1111 C1111 C1111 C1111 C1111 C1111 C1112	QRZ9046-825Z QETN1HM-106Z NCB31HK-106Z NCB31HK-477Z QFTN1HJ-104Z QETN1CM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2M\(\Omega\) 1/2W K 10\(\mu\)F 50V M 0.01\(\mu\)F 50V K 470\(\mu\)F 16V M 0.1\(\mu\)F 50V J 4.7\(\mu\)F 50V M 47\(\mu\)F 50V M 47\(\mu\)F 50V K 4700\(\mu\)F 50V K 4700\(\mu\)F 50V K 4700\(\mu\)F 50V K 4700\(\mu\)F 50V K 0.0\(\Omega\) 1/16W J 47\(\mu\)F 50V K 0.01\(\mu\)F 50V K 0.01\(\mu\)F 50V K 0.01\(\mu\)F 50V K 0.01\(\mu\)F 50V K 0.02\(\mu\)F 50V K 0.01\(\mu\)F 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1111 C1111 C1111 C1111 C1111 C1111 C1112 C1111 C1112 C1111 C1112 C1111 C1112 C1111	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-152X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V J 0.01μF 50V M 120pF 50V J 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C11106 C1117 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1120 C1121 C1122 C1131	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CH-477Z QFV71HJ-104Z QETN1HH-475Z QETN1EH-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-123X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2M\(\Omega\$ 1/2\(\mathbb{W}\) K 10\(\mu\text{F}\) 50\(\mu\text{M}\) 0.01\(\mu\text{F}\) 50\(\mu\text{M}\) 470\(\mu\text{F}\) 50\(\mu\text{M}\) 470\(\mu\text{F}\) 50\(\mu\text{M}\) 470\(\mu\text{F}\) 50\(\mu\text{M}\) 470\(\mu\text{F}\) 50\(\mu\text{K}\) 470\(\mu\text{F}\) 50\(\mu\text{K}\) 470\(\mu\text{F}\) 50\(\mu\text{K}\) 470\(\mu\text{F}\) 50\(\mu\text{K}\) 0.0\(\mu\text{T}\) 1/16\(\mu\text{J}\) 47\(\mu\text{F}\) 25\(\mu\text{M}\) 47\(\mu\text{F}\) 50\(\mu\text{K}\) 0.01\(\mu\text{F}\) 50\(\mu\text{K}\)
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1162 C1301 C1302	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-152X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C11106 C1117 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1120 C1121 C1122 C1131	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HH-475Z QETN1HH-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700PF 50V K 0.0Ω 1/16W J 47μF 25V M 4700PF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C11106 C1117 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1131 C1120 C1121 C1122 C1301 C1302 C1304 C1305	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X QETN1EM-476Z NCB31HK-103X NCB31HK-123X QETN1HM-474Z	E CAP. C CAP. E CAP. E CAP. E CAP. C	8.2M\(\Omega\$ 1/2\(\text{W}\) K 10\(\mu\)F 50\(\text{V}\) M 0.0\(\mu\)F 50\(\text{V}\) M 470\(\mu\)F 50\(\text{V}\) M 470\(\mu\)F 50\(\text{V}\) M 470\(\mu\)F 50\(\text{V}\) M 470\(\mu\)F 50\(\text{V}\) K 470\(\mu\)F 50\(\text{V}\) K 470\(\mu\)F 50\(\text{V}\) K 470\(\mu\)F 50\(\text{V}\) K 0.0\(\mu\)F 50\(\text{V}\) M 10\(\mu\)F 50\(\text{V}\) M 10\(\mu\)F 50\(\text{V}\) J 0.47\(\mu\)F 50\(\text{V}\) J 0.47\(\mu\)F 50\(\text{V}\) J 0.47\(\mu\)F 50\(\text{V}\) J
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1161 C1120 C1121 C1120 C1121 C1120 C1121 C1120 C1121 C1120 C1301 C1302 C1303 C1304 C1305 C1306	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1HM-475Z QETN1EM-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1303 C1304 C1305 C1306 C1307	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1CM-476Z NCB31HK-472X NCB31HK-103X NCB31HX-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C11107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C11301 C1302 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308	QRZ9046-825Z QETN1HH-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HH-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. E CAP. E CAP. E CAP. E CAP. C	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V J 0.47μF 50V M 120ρF 50V K 0.01μF 50V K
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1122 C1162 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1309	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X QETN1EM-476Z NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C	8.2M\(\Omega\$ 1/2\(\text{W}\) K 10\(\mu\text{F}\) 50\(\text{ M}\) 0.0\(\mu\text{F}\) 50\(\text{ M}\) 470\(\mu\text{F}\) 50\(\text{ M}\) 4.7\(\mu\text{F}\) 50\(\text{ M}\) 470\(\mu\text{F}\) 50\(\text{ M}\) 470\(\mu\text{F}\) 50\(\text{ M}\) 470\(\mu\text{F}\) 50\(\text{ K}\) 470\(\mu\text{F}\) 50\(\text{ K}\) 470\(\mu\text{F}\) 50\(\text{ K}\) 470\(\mu\text{F}\) 50\(\text{ K}\) 0.0\(\mu\text{F}\) 50\(\text{ K}\)
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1162 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1311	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1CM-477Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V M 120pF 50V J 0.01μF 50V K 0.01μF 50V M 10pF 50V J 0.47μF 50V M 0.01μF 50V K 470μF 16V M 0.01μF 50V K 220pF 50V J
R1991 C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C11107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1122 C11301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1311 C1312	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. E CAP. E CAP. E CAP. E CAP. C	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V M 0.01μF 50V M 0.01μF 50V K 0.01μF 50V M 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K
C1001 C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1311	QRZ9046-825Z QETN1HM-106Z NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1CM-477Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	E CAP. C CAP. E CAP. E CAP. E CAP. C CAP.	8.2MΩ 1/2W K 10μF 50V M 0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 470μF 50V K 4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V M 120pF 50V J 0.01μF 50V K 0.01μF 50V M 10pF 50V J 0.47μF 50V M 0.01μF 50V K 470μF 16V M 0.01μF 50V K 220pF 50V J

[AV-21Q3/AU / AV-21Q3/HK]

∆ Svmbol No.	Part No.	Part Name	Descripti	on
.,	CITOR		Descripti	UII
C1742 C1743 C1744 C1805 C1806 C1811 C1841 A C1901 A C1907 A C1907 A C1910 C1912 C1924 C1925 C1926 A C1929 A C1931 C1931 C1942 C1944 C1945 C1946 C1947 C1948 C1947 C1948 C1948 C1947 C1948 C1949 C1977 C1978 C1978 C1978 C1978 C1992 A C1991 A C1991 A C1991	QETNIHH-106Z QETNIHH-106Z QETNIHK-103X QETNILCH-227Z QETNICH-277Z QETNIHK-106Z NCB31HK-152X QF29078-224 QC29015-102 QC29015-102 QC29015-102 QC29015-102 QC29015-102 QETNIHK-475Z QETNIHK-475Z QETNIHK-475Z QETNIHK-475Z QETNIHK-475Z QETNIHK-475Z QETNIHK-475Z QETNIHK-103Z QETNIEK-103 QC20364-681 NDC31HJ-221X QC20364-561 QEZ0203-107 QCB32HK-222Z QETNIEK-108Z QETNIEK-22ZZ	MPF CAP. M CAP. E CAP. M CAP. CAP. CAP. CAP. CAP. CAP. CAP. CAP.	10µF 50V 10µF 50V 0.01µF 50V 220µF 16V 470µF 16V 10µF 50V 1500PF 50V 0.22µFAC275V 1000PFAC250V 1000PFAC250V 0.047µFAC275V 0.1µF 50V 4.7µF 50V 4.7µF 50V 4.7µF 50V 220µF 50V 100µF 160V 2200PF 50V 100µF 25V 220µF 50V 100µF 25V 220µF 50V 220µF 25V 220µF 16V 220µF 25V 220µF 16V	MMKMMMKMZZZZMMJMMJKKJKMKMMKMJMMMMMMMMKMZZZZMMJMJKKJKMKMMKMJMMMMMMMM
T1501	00R1244-001	DRIVE TRANSF		
∆ T1522 ∆ T1921	QQH0131-001 QQS0161-001	F.B.TRANSF. SW TRANSF.	•	
COIL	_			
L1001 L1101 L1103 L1351 L1352 L1353 L1354 L1551	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z IM-BW IM-BW IM-BW IM-BW IM-BW QQLZ034-320	COIL COIL COIL BUS WIRE BUS WIRE BUS WIRE BUS WIRE BUS WIRE BUS WIRE INDUCTOR	8.2µН 2.2µН 8.2µН	K J K

Δ	Symbol No.	Part No.	Part Name	Description
	DIOD	Ε		
Δ	D1001 D1102 D1301 D1302 D1305 D1306 D1341 D1423 D1423 D1425 D1425 D1551 D1551 D1551 D1553 D1554 D1557 D1571 D1581 D1582 D1655 D1655 D1665 D16655 D16655 D16656 D16677 D1704 D1707 D1707	MTZJ33A-T2 IM-BW MTZJ9.1B-T2 MTZJ9.1B-T2 AK04-T2 QRE121J-121Y MA111-X MTZJ75-T2 ISR124-400A-T2 MA111-X MTZJ27B-T2 MTZJ6.8C-T2 RGP10J-5025-T3 RGP10J-5025-T3 RTZJ9.1B-T2 MA111-X ISR124-400A-T2 MTZJ20B-T2 RGP10J-5025-T3 MTZJ12C-T2 MA111-X MTZJ12C-T2 MA111-X MTZJ12C-T2 MA111-X MTZJ12C-T3 MA111-X	ZENER DIODE BUS WIRE ZENER DIODE ZENER DIODE C R SI.DIODE C R SI.DIODE	120Ω 1/2W J
	TRAN	ISISTOF	₹	
Δ	01102 01301 01302 01351 01352 01353 01401 01402 01403 01404 01521 01522 01571 01651 01652 01652 01702 01703 01708 01708 01709 01803 01804 01974	2SC5083/L-P/-T 2SB709A/QR/-X 2SD601A/QR/-X STC344-T STC344-T DTC124ESA-T 2SD601A/QR/-X	SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR	H.OUT

[AV-21Q3/AU / AV-21Q3/HK]

∆ Symbol No.	Part No.	Part Name	Description
IC			
IC1301 IC1421 IC1651 ▲ IC1701 IC1702 IC1703 IC1704 ▲ IC1921 IC1971 IC1972	NN5198K AN5522 AN55265 MN1873287JL1 A724C08-21DMG3 L78LR05E-MA PIC-47143SY STR-W5753A/F5 BA17809T BA17805T	I C I C I C I C I C I C IR DETECT UNIT I C I C I C	(SERVICE)
ОТНЕ	ERS		
CP1701 CP1981 CP1981 CP1982 F1901 FC1901 FC1902 J1003 J1004 J1005 K1001 K1351 K1421 K1701 K1703 K1704 K1901 K1901 K1902 K1941 K1901 K1901 FC1701 S1701 S1701 S1702 S1703 S1704 S1702 S1703 S1704 S1701 S1701 S1701 S1701 S1701 S1702 S1703 S1704 S1701 S	LC30114-001C-H CM35921-B02 IM-BW ICP-N25-Y ICP-N75-Y QMF51E2-3R15J4 CEMG002-0017 QR1146J-2R2X QNN0384-001 QNN0281-002 QNS0197-001 IM-BW QQR0621-0027 QQR1113-0017 QQR113-0017 QX00666-002 QX00355-0011 QX00666-002 QX00355-0011 QX006505-0017 CE41651-0017 QX00307-0011	LED HOLDER CDS HOLDER BUS WIRE I.C.PROTECT I.C.PROTECT I.C.PROTECT FUSE FUSE CLIP C R PIN JACK PIN JACK PIN JACK BUS WIRE FERRITE BEADS FERRITE BEADS BUS WIRE BUS WIRE BUS WIRE FERRITE BEADS FERRITE	3.15A 2.2\Omega 1/4W J or CEMN065-001 or CEMN065-002 VOL+ VOL- CH+ CH- MENU POWER SW or QNZ0536-001 or QAF0052-621

PRINTED WIRING BOARD PARTS LIST

[AV-21QMG3 / AV-21QMG3/-A]

MAIN P.W. BOARD ASS'Y (SCG-1443A)

⚠ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
RES	ISTOR			RES	ISTOR		
R1002	NRSA63J-221X	MG R MG R	220Ω 1/16W J 220Ω 1/16W J	R1433	QRE121J-2R7Y	C R MG R	2.7Ω 1/2W J
R1003 R1004	NRSA63J-221X NRSA63J-563X	MG R	220Ω 1/16W J 56kΩ 1/16W J	R1436 R1437	NRSA63J-823X NRSA63J-822X	MG R	82kΩ 1/16W J 8.2kΩ 1/16W J
R1102	NRSA63J-750X	MG R	75Ω 1/16W J	R1438	NRSA63J-223X	MG R	22kΩ 1/16W J
R1103	NRSA63J-100X	MG R	75Ω 1/16W J 10Ω 1/16W J	R1439	NRSA63J-104X	MG R	100kΩ 1/16W J
R1109	NRSA63J-682X	MG R	6.8kΩ 1/16W J	R1440	QRE121J-471Y	C R	470Ω 1/2W J
R1110 R1111	NRSA63J-272X	MG R MG R	2.7kΩ 1/16W J 180Ω 1/16W J	R1441	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R1111 R1112	NRSA63J-181X NRSA63J-220X	MG R	180Ω 1/16W J 22Ω 1/16W J	R1442 R1443	NRSA63J-103X QRE121J-1ROY	MG R C R	10kΩ 1/16W J 1.0Ω 1/2W J
R1113	NRSA63J-101X	MG R	100Ω 1/16W J	R1453	NRSA63J-272X	MG R	2.7kΩ 1/16W J
R1114	NRSA63J-472X	MG R	4.7kΩ 1/16W J	R1502	NRSA63J-OROX	MG R	0.0Ω 1/16W J
R1115	NRSA63J-222X	MG R	2.2kΩ 1/16W J	R1503	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R1117 R1118	NRSA63J-OROX NRSA63J-222X	MG R MG R	0.0Ω 1/16W J 2.2kΩ 1/16W J	R1525 R1526	QRL029J-180 QRE121J-271Y	OM R C R	18Ω 2W J 270Ω 1/2W J
R1110 R1120	NRSA63J-222X NRSA63J-391X	MG R	2.2KΩ 1/16W J 390Ω 1/16W J	R1529	QRL039J-681	OM R	680Ω 3W J
R1121	NRSA63J-221X	MG R	220Ω 1/16W J	R1531	NRSA63J-331X	MG R	330Ω 1/16W J
R1121 R1159	NRSAO2J-184X	MG R	220Ω 1/16W J 180kΩ 1/10W J	R1532	NRSA63J-102X	MG R MG R	1kΩ 1/16W J
R1161	NRSA63J-102X	MG R	1kΩ 1/16W J	⚠ R1551	QRZ9011-1R0	F R	1.0 Ω 1/2W J
R1162 R1163	NRSA63J-122X NRSA63J-222X	MG R MG R	1.2kΩ 1/16W J 2.2kΩ 1/16W J	R1552 R1554	QRJ146J-2R2X	C R C R C R	2.2Ω 1/4W J
R1164	NRSA63J-222X NRSA63J-221X	MG R	2.2KΩ 1/16W J 220Ω 1/16W J	R1554 R1571	QRE121J-681Y QRE121J-222Y	CR	680Ω 1/2W J 2.2kΩ 1/2W J
R1165	NRSA63J-220X	MG R	22Ω 1/16W J	R1573	QRT029J-1R5	MF R	1.5Ω 2W J
R1166	NRSA63J-821X	MG R	820Ω 1/16W J	R1574	ORTO29J-1R5	MF R	1.5Ω 2W J
R1301	NRSA63J-221X	MG R	220Ω 1/16W J	R1576	QRE121J-223Y	C R	22kΩ 1/2W J
R1302 R1303	NRSA63J-472X NRSA63J-101X	MG R MG R	4.7kΩ 1/16W J 100Ω 1/16W J	R1577 R1578	NRSA63J-392X NRSA63J-103X	MG R MG R	3.9kΩ 1/16W J
R1303	NRSA63J-101X	MG R	100Ω 1/16W J 100Ω 1/16W J	R1581	QRE121J-333Y	C R	10kΩ 1/16W J 33kΩ 1/2W J
R1305	NRSA63J-101X	MG R	1000 1/16W I	R1582	NRSA631-223X	MG R	22kΩ 1/16W J
R1306	NRSA63J-221X	MG R	220Ω 1/16W J	R1583	NRSA63J-393X	MG R MG R	39kΩ 1/16W J 4.7kΩ 1/16W J
R1307	NRSA63J-122X	MG R	1.2kΩ 1/16W J	R1651	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1308 R1312	NRSA63J-182X NRSA63J-OROX	MG R MG R	1.8kΩ 1/16W J 0.0Ω 1/16W J	R1652 R1653	NRSA63J-102X NRSA63J-331X	MG R MG R	1kΩ 1/16W J 330Ω 1/16W J
R1312	NRSA63J-102X	MG R	1kΩ 1/16W J	R1654	NRSA63J-223X	MG R	22kΩ 1/16W J
R1313 R1314	NRSA63J-102X	MG R	1kΩ 1/16W J	R1655	NRSA63J-473X	MG R	47kΩ 1/16W J
R1321	NRSA63J-152X	MG R	1.5kΩ 1/16W J	R1656 R1657	NRSA63J-822X	MG R	8.2kΩ 1/16W J
R1322	NRSA63J-272X	MG R	2.7kΩ 1/16W J	R1657	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R1323 R1324	NRSA63J-103X NRSA63J-102X	MG R MG R	10kΩ 1/16W J 1kΩ 1/16W J	R1658 R1659	NRSA63J-222X QRE121J-4R7Y	MG R C R	2.2kΩ 1/16W J
R1326	NRSA63J-101X	MG R	100Ω 1/16W J	R1660	NRSA63J-153X	MG R	4.7Ω 1/2W J 15kΩ 1/16W J
R1327	NRSA02J-475X	MG R	4.7MΩ 1/10W J	R1661	QRE121J-271Y	C R	270Ω 1/2W J
R1341	NRSA63J-332X	MG R	3.3kΩ 1/16W J	R1662	QRE121J-271Y	C R	270Ω 1/2W J
R1347	NRSA63J-392X	MG R	3.9kΩ 1/16W J	R1664	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R1349 R1351	NRSA63J-472X NRSA63J-151X	MG R MG R	4.7kΩ 1/16W J 150Ω 1/16W J	R1665 R1666	NRSA63J-103X NRSA63J-101X	MG R MG R	10kΩ 1/16W J 100Ω 1/16W J
R1352	NRSA63J-151X	MG R	150Ω 1/16W J	R1667	QRE121J-101Y	C R	100Ω 1/2W J
R1353	NRSA63J-151X	MG R	150Ω 1/16W J	∆ R1668	QRT029J-5R6	MF R	5.6Ω 2W J
R1354	NRSA63J-331X	MG R	330Ω 1/16W J	R1701	NRSA63J-562X	MG R MG R	5.6kΩ 1/16W J
R1355 R1356	NRSA63J-331X NRSA63J-331X	MG R MG R	330Ω 1/16W J 330Ω 1/16W J	R1702 R1703	NRSA63J-682X	MG R MG R	6.8kΩ 1/16W J 3.9kΩ 1/16W J
R1356	NRSA63J-331X	MG R	330Ω 1/16W J 100Ω 1/16W J	R1703	NRSA63J-392X NRSA63J-221X	MG R	220Ω 1/16W J
R1358	NRSA63J-101X	MG R	100Ω 1/16W J	R1705	NRSA63J-221X	MG R	220Ω 1/16W J
R1359	NRSA63J-101X	MG R	100Ω 1/16W J	R1706	NRSA63J-561X	MG R	560Ω 1/16W J
R1360	QRZ0107-152Z	C R	1.5kΩ 1/2W K	R1707	NRSA63J-561X	MG R	560Ω 1/16W J
R1361	QRZ0107-152Z QRZ0107-152Z	C R C R	1.5kΩ 1/2W K	R1708 R1709	NRSA63J-102X NRSA63J-472X	MG R MG R	1kΩ 1/16W J 4.7kΩ 1/16W J
R1362 R1363	ORL029J-123	OM R	1.5kΩ 1/2W K 12kΩ 2W J	R1710	NRSA631-472X	MG R	4.7kΩ 1/16W J
R1364	QRL029J-123	OM R	12kΩ 2W J	R1711	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1365 R1366	QRL029J-123	OM R	12kΩ 2W J	R1712	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1366	NRSA63J-182X	MG R	1.8kΩ 1/16W J	R1713	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1367 R1368	NRSA63J-182X NRSA63J-182X	MG R MG R	1.8kΩ 1/16W J 1.8kΩ 1/16W J	R1714 R1715	NRSA63J-472X NRSA63J-221X	MG R MG R	4.7kΩ 1/16W J 220Ω 1/16W J
R1372	NRSA63J-102X	MG R	0.0Ω 1/16W J	R1716	NRSA63J-221X	MG R	220Ω 1/16W J 220Ω 1/16W J
R1374	NRSA63J-392X	MG R	3.9kΩ 1/16W J	R1718	NRSA63J-561X	MG R	560Ω 1/16W J
R1401	NRSA63J-103X	MG R	10kΩ 1/16W J	R1719	NRSA63J-102X	MG R	1kΩ 1/16W J
R1421	NRSA63J-472X	MG R	4.7kΩ 1/16W J	R1720	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1423 R1424	NRSA63J-OROX NRSA63J-OROX	MG R MG R	0.0Ω 1/16W J 0.0Ω 1/16W J	R1721	NRSA63J-103X QRL039J-270	MG R	10kΩ 1/16W J 27Ω 3W J
R1424 R1425	NRSA63J-URUX NRSA63J-332X	MG R	0.0Ω 1/16W J 3.3kΩ 1/16W J	∆ R1723 R1725	NRSA63J-102X	OM R MG R	2/Ω 3W J 1kΩ 1/16W J
R1426	NRSA63J-0ROX	MG R	0.0Ω 1/16W J	R1726	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1429	NRSA63J-103X	MG R	10kΩ 1/16W J	R1727	NRSA63J-153X	MG R	15kΩ 1/16W J
R1430	NRSA63J-823X	MG R	82kΩ 1/16W J	R1728	NRSA63J-102X	MG R	1kΩ 1/16W J
R1431	NRSA63J-103X	MG R	10kΩ 1/16W J	R1729	NRSA63J-102X	MG R	1kΩ 1/16W J
R1432	QRE121J-3R9Y	C R	3.9Ω 1/2W J	R1730	NRSA63J-103X	MG R	10kΩ 1/16W J
				I			

[AV-21QMG3 / AV-21QMG3/-A]

Symbol No.	Part No.	Part Name	Description
RES	STOR		
R1731	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1736	NRSA63J-823X	MG R	82kΩ 1/16W J
R1737	NRSA63J-104X	MG R	100kΩ 1/16W J
R1738	NRSA63J-103X	MG R	10kΩ 1/16W J
R1739	NRSA63J-103X	MG R	10kΩ 1/16W J
R1740	NRSA63J-392X	MG R	3.9kΩ 1/16W J
R1741	NRSA63J-561X	MG R	560Ω 1/16W J
R1742	NRSA63J-563X	MG R	56kΩ 1/16W J
R1746	NRSA63J-103X	MG R	10kΩ 1/16W J 0.0Ω 1/16W J
R1747	NRSA63J-OROX NRSA63J-101X	MG R MG R	0.0Ω 1/16W J 100Ω 1/16W J
R1748 R1749	NRSA63J-101X NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1743	NRSA63J-821X	MG R	820Ω 1/16W J
R1772	NRSA63J-821X	MG R	820Ω 1/16W J
R1791	NRSA63J-221X	MG R	220Ω 1/16W J
R1792	NRSA63J-221X	MG R	220Ω 1/16W J
R1793	NRSA63J-221X	MG R	220Ω 1/16W J
R1794	NRSA63J-221X	MG R	220Ω 1/16W J
R1795	NRSA63J-221X	MG R	220Ω 1/16W J
R1796	NRSA63J-103X	MG R	10kΩ 1/16W J
R1797	NRSA63J-153X	MG R	15kΩ 1/16W J
R1802	NRSA63J-750X	MG R	75Ω 1/16W J
R1806	QRE121J-271Y	C R	270Ω 1/2W J
R1807	NRSA63J-680X	MG R	68Ω 1/16W J
R1810	QRG01GJ-560	OM R	56Ω 1W J
R1811	NRSA63J-221X	MG R	220Ω 1/16W J
R1815	QRE121J-181Y	C R	180Ω 1/2W J
R1816	NRSA63J-681X	MG R	680Ω 1/16W J
R1817	NRSA63J-472X	MG_R_	4.7kΩ 1/16W J
R1901	QRF104K-3R9	UNF_R	3.9Ω 10W K
R1903	QRL029J-104	OM R	100kΩ 2W J
R1906	QRL029J-104	OM_R	100kΩ 2W J
R1921	QRE121J-2R2Y	C R	2.2Ω 1/2W J
R1922	QRE121J-221Y	C R	220Ω 1/2W J
R1923	QRM034J-R22	MP R	0.22Ω 3W J
R1928	QRL039J-683	OM R	68kΩ 3W J 4.7Ω 1/2W J
R1933 R1934	QRE121J-4R7Y NRSA63J-683X	C R MG R	4.7Ω 1/2W J 68kΩ 1/16W J
R1935	QRE121J-392Y	C R	3.9kΩ 1/2W J
R1974	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R1976	QRL029J-120	OM R	2.2KΩ 1/10W J 12Ω 2W J
R1977	QRE121J-122Y	C R	1.2kΩ 1/2W J
R1978	NRSA63J-473X	MG R	47kΩ 1/16W J
R1979	QRL039J-470	OM R	47Ω 3W J
R1980	QRL029J-152	OM R	1.5kΩ 2W J
R1991	QRZ9046-825Z	C R	8.2MΩ 1/2W K
CAPA	ACITOR		
C1001	QETN1HM-106Z	E CAP.	10μF 50V M
C1002	NCB31HK-103X	C CAP.	0.01μF 50V K
C1004	QETN1CM-477Z	E CAP.	470μ <u>F</u> 16V M
C1005	QFV71HJ-104Z	MF CAP.	0.1μF 50V J
C1008	QETN1HM-475Z	E CAP.	4.7μF 50V M
C1103	QETN1EM-476Z	E CAP.	47μF 25V M
C1104	NCB31HK-472X	C CAP.	4700pF 50V K
C1105	NCB31HK-472X NCB31HK-472X	C CAP. C CAP.	4700pF 50V K 4700pF 50V K
C1106	MCD3TIIV=4/7V	C CAD	4700pF 50V K
C1106 C1107		((AP	
C1107	NCB31HK-472X	C CAP.	
C1107 C1109	NCB31HK-472X NCB31HK-472X	C CAP. C CAP. MG R	4700pF 50V K
C1107 C1109 C1110	NCB31HK-472X NCB31HK-472X NRSA63J-OROX	MG R	4700pF 50V K 0.0Ω 1/16W J
C1107 C1109	NCB31HK-472X NCB31HK-472X		4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K
C1107 C1109 C1110 C1112	NCB31HK-472X NCB31HK-472X NRSA63J-OROX QETN1EM-476Z	MG R E CAP. C CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M
C1107 C1109 C1110 C1112 C1113	NCB31HK-472X NCB31HK-472X NRSA63J-OROX QETN1EM-476Z NCB31HK-472X	MG R E CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K
C1107 C1109 C1110 C1112 C1113 C1114 C1115 C1116	NCB31HK-472X NCB31HK-472X NRSA63J-OROX QETN1EM-476Z NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X	MG R E CAP. C CAP. C CAP. C CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47uF 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K
C1107 C1109 C1110 C1112 C1113 C1114 C1115	NCB31HK-472X NCB31HK-472X NRSA63J-OROX QETN1EM-476Z NCB31HK-472X NCB31HK-103X NCB31HK-103X	MG R E CAP. C CAP. C CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K
C1107 C1109 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119	NCB31HK-472X NCB31HK-472X NRSA63J-0R0X QETN1EM-476Z NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X QEV71HJ-224Z QETN1HM-474Z	MG R E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. E CAP. MF CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.21μF 50V K 0.22μF 50V J 0.47μF 50V M
C1107 C1109 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120	NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X QFV71HJ-224Z QFTV11HM-474Z NDC31HJ-121X	MG R E CAP. C CAP. C CAP. C CAP. C CAP. E CAP. E CAP. E CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 470pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V J 0.47μF 50V M 120pF 50V J
C1107 C1109 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121	NCB31HK-472X NCB31HK-472X NRSAG3J-0R0X QETN1EM-476Z NCB31HK-472X NCB31HK-103X NCB31HK-103X QFV71HJ-224Z QETN1HM-474Z NDC31HJ-121X NCB31HK-103X	MG R E CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.02μF 50V J 0.47μF 50V M 120pF 50V J 0.01μF 50V M
C1107 C1109 C11110 C11112 C11113 C11114 C11115 C11116 C11117 C11119 C1120 C11211 C11211	NCB31HK-472X NCB31HK-472X NRSA63J-0R0X QETN1EM-4762 NCB31HK-103X NCB31HK-103X NCB31HK-103X QFV71HJ-224Z QETN1HM-474Z NCCB31HJ-121X NCB31HK-103X NCB31HK-103X NCB31HK-103X	MG R E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP. MF CAP. E CAP. C CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47µF 25V M 4700pF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.22µF 50V J 0.47µF 50V M 120pF 50V J 0.01µF 50V K 0.01µF 50V K
C1107 C1109 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1161	NCB31HK-472X NCB31HK-472X NRSA63J-0ROX QETN1EM-476Z NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X QEV71HJ-224Z QETN1HM-474Z NDC31HJ-121X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	MG R E CAP. C CAP. C CAP. C CAP. C CAP. E CAP. MF CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.22μF 50V J 0.47μF 50V M 120pF 50V J 0.01μF 50V K 0.01μF 50V K
C1107 C1109 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1122 C1161 C1162	NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-476Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETN1HJ-224Z QETN1HM-474Z NDC31HJ-121X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	MG R E CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μ 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.02μF 50V J 0.47μF 50V M 120pF 50V J 0.01μF 50V K 0.01μF 50V K
C1107 C1109 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1121	NCB31HK-472X NCB31HK-472X NRSA63J-0ROX QETN1EM-476Z NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X QEV71HJ-224Z QETN1HM-474Z NDC31HJ-121X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	MG R E CAP. C CAP. C CAP. C CAP. C CAP. E CAP. MF CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	4700pF 50V K 0.0Ω 1/16W J 47μF 25V M 4700pF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V K 0.01μF 50V W 0.01μF 50V M 0.12μF 50V J 0.47μF 50V M 120pF 50V J 0.01μF 50V K 0.01μF 50V K

CAPACITOR C1166 NCB31HK-104X C CAP. 0.1µF 50V K C1301 MCB31HK-123X C CAP. 0.012µF 50V K C1302 QFTH1HM-475Z E CAP. 1.0pF 50V J C1303 NDG31HJ-100X C CAP. 1.0pF 50V J C1304 QFV71HJ-474Z MF CAP. 0.47µF 50V J C1304 QFV71HJ-474Z MF CAP. 0.47µF 50V J C1306 QFTM1HM-474Z E CAP. 0.47µF 50V J C1306 QFTM1HM-474Z E CAP. 0.47µF 50V M C1306 QFTM1CM-477Z E CAP. 0.01µF 50V K C1307 QFTM1CM-477Z E CAP. 0.01µF 50V K C1308 QFTM1CM-107Z E CAP. 1.00µF 16V M C1308 QFTM1CM-107Z E CAP. 1.00µF 16V M C1310 NG31HJ-21X C CAP. 0.01µF 50V K C1311 NG31HK-103X C CAP. 0.01µF 50V K C1311 QFTM1CM-474Z E CAP. 0.01µF 50V K C1311 QFTM1CM-474Z E CAP. 0.01µF 50V K C1311 QFTM1CM-474Z E CAP. 0.01µF 50V K C13131 QFTM1HM-335Z E CAP. 3.3µF 50V M C13131 QFTM1HM-335Z E CAP. 3.3µF 50V M C1313 QFTM1HM-35Z E CAP. 0.01µF 50V K C1313 QFTM1HM-35Z E CAP. 1.00µF 16V M C1311 NG31HK-103X C CAP. 0.01µF 50V K C1313 QFTM1HM-106Z E CAP. 1.00µF 16V M C1313 QFTM1HM-106Z E CAP. 1.00µF 50V M C1313 QFTM1HM-106Z E CAP. 1.00µF 50V M C1312 QFTM1HM-106Z E CAP. 1.00µF 50V M C1313 QFTM1HM-106Z E CAP. 1.00µF 50V M C1314 QFTM1HM-106Z E CAP. 1.00µF 50V M C1315 QFTM1HM-106Z E CAP. 1.00µF 50V M C1315 QFTM1HM-106Z E CAP. 1.00µF 50V M C1316 QFTM1HM	⚠	Symbol No.	Part No.	Part Name	Description
C1301 MC831HK-123X C CAP. 0.012 F 50V K C1302 QETN1HH-475Z E CAP. 4.7 F 50V M C1303 NOC31HJ-100X C CAP. 10pF 50V J C1304 QFV71HJ-474Z MF CAP. 0.47 F 50V J C1305 QETN1HH-474Z E CAP. 0.47 F 50V J C1306 NC831HK-103X C CAP. 0.01 F 50V K C1306 NC831HK-103X C CAP. 0.01 F 50V K C1307 QETN1CH-477Z E CAP. 470 F 16V M C1308 QETN1CH-107Z E CAP. 100 F 50V K C1309 NC831HK-103X C CAP. 0.0 L F 50V K C1310 NC31HK-103X C CAP. 0.0 L F 50V K C1311 NC831HK-103X C CAP. 0.0 L F 50V K C1311 NC831HK-103X C CAP. 0.0 L F 50V K C1312 QENC1HH-474Z E CAP. 0.0 L F 50V M C1313 QETN1HH-355Z E CAP. 3.3 F 50V M C1313 QETN1HH-355Z E CAP. 3.3 F 50V M C1314 QETN1HH-106Z E CAP. 100 F 50V K C1315 QETN1CH-107Z E CAP. 100 F 50V K C1317 NC831EK-473X C CAP. 0.0 L F 50V M C1318 QETN1HH-474Z E CAP. 100 F 50V M C1319 NC31HJ-120X C CAP. 100 F 50V M C1311 NC831HK-103X C CAP. 0.0 L F 50V M C1312 NC31HJ-120X C CAP. 100 F 50V M C1313 QETN1HH-474Z E CAP. 100 F 50V M C1314 QETN1HH-106Z E CAP. 100 F 50V M C1315 NC31HJ-120X C CAP. 100 F 50V M C1322 NC831EK-273X C CAP. 0.0 47 F 50V M C1324 QETN1HH-106Z E CAP. 100 F 50V M C1325 QETN1HH-106Z E CAP. 100 F 50V M C1326 NC51HJ-121X C CAP. 100 F 50V M C1327 QETN1HH-106Z E CAP. 100 F 50V M C1328 QETN1HH-106Z E CAP. 100 F 50V M C1329 QETN1HH-106Z E CAP. 100 F 50V M C1321 NC31HJ-21X C CAP. 2200 F 50V J C1334 QETN1HH-106Z E CAP. 100 F 50V M C1335 NC31HJ-21X C CAP. 2200 F 50V J C1336 NC51HJ-21X C CAP. 2200 F 50V J C1337 QETN1HH-106Z E CAP. 100 F 50V M C1338 NC31HJ-21X C CAP. 2200 F 50V J C1339 QETN1HH-106Z E CAP. 100 F 50V M C1340 QETN1HH-106Z E CAP. 100 F 50V M C1351 NC31HJ-21X C CAP. 2200 F 50V J C1353 NC31HJ-21X C CAP. 2200 F 50V J C1354 NC31HJ-21X C CAP. 2200 F 50V J C1355 NC31HJ-21X C CAP. 2200 F 50V J C1356 QEC1HH-105Z E CAP. 100 F 50V M C1357 QETN1HH-106Z E CAP. 100 F 50V M C1358 NC31HJ-21X C CAP. 2200 F 50V J C1359 QETN1HH-106Z E CAP. 100 F 50V M C1351 NC31HJ-331X C CAP. 2200 F 50V J C1351 QETN1HH-106Z E CAP. 100 F 50V M C1352 QETN1HH-106Z E CAP. 100 F 50V M C1353 QETN1HH-106Z E CAP. 100 F 50V M C1550 QETN1HH-106Z E CA		CAPA	CITOR		
C15/1 QEINLAM-10/Z E CAP. 100µF 10V M C1572 QETN1EM-476Z E CAP. 47µF 25V M C1581 QFV71HJ-104Z MF CAP. 0.1µF 50V J C1652 NCB31HK-473X C CAP. 0.047µF 50V K C1653 QETN1HM-106Z E CAP. 10µF 50V M C1654 QETNCH-477Z E CAP. 470µF 16V M C1655 QETN1HM-106Z E CAP. 10µF 50V M C1656 QETN1HM-105Z E CAP. 10µF 50V M	Δ	C1166 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1311 C1312 C1313 C1314 C1312 C1313 C1314 C1315 C1316 C1317 C1321 C1315 C1316 C1317 C1321 C1317 C1321 C1318 C1317 C1321 C1322 C1323 C1324 C1325 C1326 C1327 C1326 C1327 C1326 C1327 C1428 C1428 C1429 C1430 C1428 C1429 C1430 C1431 C1428 C1429 C1430 C1437 C1501 C1428 C1429 C1430 C1437 C1501 C1525 C1526 C1527 C1529 C1531 C1555 C1557 C1557 C1557 C1557 C1557 C1557 C1557 C1557 C1577	NCB31HK-104X NCB31HK-123X QETN1HM-475Z NDC31HJ-100X QFV71HJ-474Z QETN1HM-477Z QETN1HM-477Z QETN1CM-107Z NCB31HK-103X NDC31HJ-221X NCB31HK-103X QENC1HM-474Z QETN1HM-335Z NCB31HK-103X QENC1HM-07Z QETN1HM-106Z NCB31HK-203X QETN1CM-107Z QETN1HM-106Z NCB31HS-273X QETN1HM-106Z NCB31HS-273X QETN1HM-106Z QENC1HM-105Z QETN1HM-106Z QETN1HM-107Z QETN1HM-107Z QETN1HM-107Z QETN1HM-228 QFV71HJ-334Z NCB31HK-104X QETN1HM-106Z QETN1HM-107Z QETN1HM-106Z QETN1HM-107Z	C CAP. C CAP. E CAP. C CAP. E CAP.	0.1µF 50V K 0.012µF 50V K 4.7µF 50V M 10pF 50V J 0.47µF 50V M 0.01µF 50V M 100µF 16V M 100µF 16V M 100µF 16V M 100µF 50V M 0.01µF 50V M 10µF 50V M 1µF 50V M 10µF 16V M 10µF 50V M

[AV-21QMG3 / AV-21QMG3/-A]

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<u>∧</u> Symbo		Part No.	Part Name	Descript	ion	<u></u>
CA	٩PA	CITOR				D
C1707 C1708 C1707 C1708 C1709 C1711 C1712 C1713 C1714 C1718 C1717 C1718 C1717 C1718 C1717 C172 C1724 C1724 C1724 C1724 C1724 C1724 C1742 C1743 C1744 C1805 C1806 C1806 C1907 A C1902 A C1902 A C1902 A C1924 C1924 C1925 C1924 C1926 A C1927 C1932 C1944 C1945 C1947 C1948 C1949 C1977 C1978 C19		NCB31HK-103X QETN1AM-108Z QETN1AM-108Z NCB31HK-103X QETN1HM-106Z QETN1HM-10BZ QC290T5-102 QC20G4-561 QETN1LM-27TZ QETN1LM-108Z QETN1LM-108Z QETN1LM-108Z QETN1LM-108Z QETN1LM-108Z QETN1LM-108Z QETN1LM-108Z QETN1LM-108Z QETN1LM-22TZ	MPF CAP. M CAP. E CAP. M CAP. M CAP. C CAP. C CAP. C CAP. C CAP. E CAP. C CAP.	0.01µF 50V 1000µF 10V 0.01µF 50V 100µF 50V 0.01µF 50V 10µF 50V 10µF 50V 10µF 50V 10µF 50V 0.01µF 50V 0.00µF 25V	K M K M K K K J J J J K M M M K M M K M Z Z Z M M J M M J K K J K M K M M M M M M M M	010 0111 0133 0133 0133 0134 0134 0136 015 015 015 015 015 015 015 015 015 016 016 016 016 016 016 017 017 017 017 017 017 017 017 019 019 019 019 019 019 019 019 019 019
		SFORM				Q14 Q14
T1501 Δ T1522 Δ T1921		QQR1244-001 QQH0131-001 QQS0161-001	DRIVE TRANSF F.B.TRANSF. SW TRANSF.			014 015 △ 015
CC	DIL					Q15 Q15
L1001 L1101 L1103 L1351 L1352 L1353 L1354 L1551 L1701		QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z IM-BW IM-BW IM-BW IM-BW QQLZ034-320 QQL244J-5R6Z	COIL COIL COIL BUS WIRE BUS WIRE BUS WIRE BUS WIRE INDUCTOR COIL	8.2µН 2.2µН 8.2µН	N K	016 016 017 017 017 017 018 018

∆ Symbol No.	Part No.	Part Name	Description
DIO	DE		
D1001 D11002 D1301 D1302 D1305 D1306 D1341 D1421 D1423 D1425 D1427 D1551 D1552 D1553 D1554 D1557 D1571 D1581 D15651 D1651 D1655 D16657 D1701 D1704 D1705 D1707 D1701 D1705 D1707 D1928 D1931 D1921 D1925 D1928 D1933 D1941 D1933 D1942 D1943 D1982 D1983	MTZJ33A-T2 MA859-T2 MTZJ9.1B-T2 MTZJ9.1B-T2 AK04-T2 QRE121J-121Y MA111-X MTZJ75-T2 1SR124-400A-T2 MA111-X MTZJ27B-T2 MTZJ36A-T2 MTZJ	ZENER DIODE SI. DIODE ZENER DIODE ZENER DIODE C R SI. DIODE ZENER DIODE SI. DIODE SI. DIODE ZENER DIODE SI. DIODE	120Ω 1/2W J
	NSISTO		
01102 01103 01161 01301 01302 01352 01352 01401 01402 01403 01404	2SC5083/L-P/-T UN2212-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X STC344-T STC344-T 5TC344-T DTC124E5A-T 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD6055/Y/-T	SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR	

<u>^</u>	T1522 T1921	QQH0131-001 QQS0161-001	F.B.TRANSF. SW TRANSF.		
	COIL				
	L1001 L1101 L1103 L1351 L1352 L1353 L1354 L1551 L1701 L1941 L1942 L1943	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z IM-BW IM-BW IM-BW IM-BW QQLZ034-320 QQL2044J-5R6Z QQL264K-820Z QQL244J-4R7Z QQL24J-4R7Z	COIL COIL BUS WIRE BUS WIRE BUS WIRE BUS WIRE INDUCTOR COIL INDUCTOR INDUCTOR	8.2µH 2.2µH 8.2µH 5.6µH	K K
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SI. TRANSISTOR
POWER TRANSISTOR
SI. TRANSISTOR
DIGI. TRANSISTOR
DIGI. TRANSISTOR 25C2655/Y/-T 25D2627-YB11 2SA1208/5T/Z1-T 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X UN2212-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SC1815/YG/-T 2SA966/QY/-T UN2212-X Q1975

[AV-21QMG3 / AV-21QMG3/-A]

<u> </u>	Symbol No.	Part No.	Part Name	Description
<u>^</u>	IC1301 IC1421 IC1651 IC1701 IC1702 IC1703 IC1704 IC1921 IC1971 IC1971	NN5198K AN5522 AN5265 MN1873287JJ1 AT24C08-21DMG3 L78LR05E-MA PIC-47143SY STA17809T BA17805T	I C I C I C I C (MCU) I C I C IR DETECT UNIT I C I C I C	(SERVICE)
	ОТНЕ	RS		
<u>^</u> <u>^</u> <u>^</u>	CF1161 CP1701 CP1981 CP1982 F1901 FC1901 FC1901 FR1557 J1002 J1003 J1005 K1001 K1351 K1701 K1701 K1701 K1703 K1704 K1901 K1902 K1942 K1943 LF1901 S1943 LF1901 S1701	LC30114-001C-H CM35921-B02 QAX0642-001Z IM-BW ICP-N25-Y ICP-N75-Y QMF51E2-3R15J4 CEMG002-001Z QRJ146J-ZRZX QMN0384-001 QNN0281-003 QNN0281-003 QNN0281-001 IM-BW QOR0621-002Z QQR1113-001Z IM-BW IM-BW IM-BW IM-BW IM-BW IM-BW IM-BW IM-BW IM-BW QR1113-001Z QQR1113-001Z QQR102GP1241-QQR	LED HOLDER CDS HOLDER CFILTER BUS WIRE I.C.PROTECT I.C.PROTECT FUSE FUSE CLIP C R PIN JACK PIN JACK PIN JACK BUS WIRE FERRITE BEADS BUS WIRE BUS FERRITE BEADS	3.15A 2.2\Omega 1/4W J or CEMN065-001 or CEMN065-002
Λ	\$1702 \$1703 \$1704 \$1705 \$1901 \$F1102	QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0750-001 QAX0731-001	TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH PUSH SWITCH SAW FILTER	VÕL- CH+ CH- MEUN POWER SW
<u>^</u>	SF1122 SK1351 TH1901 TP-47G TP-E	QAX0325-001 QNZ0537-001 QAD0121-9R0 IM-BW IM-BW	SAW FILTER CRT SOCKET THERMISTOR BUS WIRE BUS WIRE	or QNZO536-001 or QAD0119-9R0
<u>^</u>	TU1001 VA1901 X1301 X1302 X1701	QAU0282-001 ERZV10V621CS QAX0705-001Z CE41651-001Z QAX0307-001	TUNER VARISTOR CRYSTAL X-TAL C RESONATOR	or QAF0052-621

PRINTED WIRING BOARD PARTS LIST

[AV-21QMG3/U]

MAIN P.W. BOARD ASS'Y (SCG-1431A)

RESISTOR RIDOR MS453-2721 MS R 2 2200 1/5M J 2443 MS453-2221 MS R 2 2.700 1/5M J 2444 MS453-2221 MS R 2 2.700 1/5M J 2444 MS453-2221 MS R 2 2.700 1/5M J 2444 MS453-2221 MS R 2 2.700 1/5M J 2445 MS453-2221 MS543-2221 MS R 2 2.700 1/5M J 2445 MS453-2221 MS R 2 2.700 1/5M J 2455 MS453-2221 MS R 2 2.700 1/5M J 2555 MS45	RES1			Description	∆ Symbol No.	Part No.	Part Name	Description
RIDER MS-861-1-21X MS R 2200 1/1644		STOR			RES	ISTOR		
R1429 NRSA63J-103X MG R 10kΩ 1/16W J R1725 NRSA63J-102X MG R 1kΩ 1/16W J R1430 NRSA63J-823X MG R 82kΩ 1/16W J R1726 NRSA63J-472X MG R 4.7kΩ 1/16W J	R1003 R1004 R1102 R1103 R1109 R1110 R1111 R1111 R11112 R1113 R1114 R1115 R1116 R1117 R1118 R1120 R1121 R1163 R1164 R1165 R1166 R1301 R1165 R1302 R1303 R1304 R1305 R1307 R1308 R1311 R1322 R1333 R1304 R1305 R1307 R1308 R1311 R1322 R1333 R1344 R1355 R1366 R1377 R1388 R1311 R1322 R1323 R1354 R1355 R1356 R1357 R1368 R1357 R1358 R1359 R1350 R1366 R1367 R1368 R1357 R1368 R1361 R1362 R1366 R1367 R1368 R1366	NRSA63J-221X NRSA63J-221X NRSA63J-263X NRSA63J-563X NRSA63J-750X NRSA63J-682X NRSA63J-682X NRSA63J-101X NRSA63J-181X NRSA63J-181X NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-222X NRSA63J-222X NRSA63J-222X NRSA63J-222X NRSA63J-222X NRSA63J-222X NRSA63J-221X NRSA63J-222X NRSA63J-222X NRSA63J-222X NRSA63J-102X NRSA63J-102X NRSA63J-101X NRSA63J-10X	MGRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	2200 1/16W J 2200 1/16W J 256k0 1/16W J 750 1/16W J 100 1/16W J 6.8k0 1/16W J 1800 1/16W J 1800 1/16W J 1000 1/16W J 1000 1/16W J 220 1/16W J 1000 1/16W J 2.2k0 1/16W J 3.0k0 1/16W J 3.8k0 1/16W J 3.8k0 1/16W J 3.9k0 1/16W J	R E S : R1433 R1436 R1437 R1438 R1439 R1440 R1441 R1442 R1443 R1453 R1502 R1503 R1525 R1526 R1529 R1531 R1532 ⚠ R1551 R1554 ⚠ R1565 ⚠ R1566 R1571 R1573 R1574 R1576 R1577 R1578 R1578 R1581 R1582 R1583 R1661 R1662 R1667 № R1666 R1667 R1668 R1707 R1678 R1700 R1701 R1702 R1703 R1704 R1707 R1708 R1707 R1708 R1707 R1708 R1707 R1708 R1707 R1708 R1701 R1711 R1712 R1713 R1714 R1715 R1716 R1718 R1719 R1720 R1721 ⚠ R1723 R1725	QRE121J-2R7Y NRSA63J-823X NRSA63J-823X NRSA63J-822X NRSA63J-104X QRE121J-471Y NRSA63J-822X NRSA63J-103X QRE121J-1R0Y NRSA63J-103X QRE121J-1R0Y NRSA63J-103X QRE121J-1R0Y NRSA63J-103X QRE121J-271Y QRL039J-681 NRSA63J-102X QR29011-1R0 QRJ146J-2R2X QRE121J-271Y QRL039J-681 NRSA63J-102X QRE121J-281Y NRSA63J-102X QRE121J-223Y NRSA63J-103X QRE121J-223Y NRSA63J-103X QRE121J-333Y NRSA63J-103X QRE121J-333Y NRSA63J-103X QRE121J-333Y NRSA63J-103X QRE121J-333Y NRSA63J-103X QRE121J-271Y QRT029J-1R5 QRE121J-271Y QRE121J-101Y QRT029J-5R6 NRSA63J-682X NRSA63J-163X NRSA63J-163X NRSA63J-163X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-102X NRSA63J-103X NRSA63J-102X NRSA63J-103X NRSA63J-102X	C MG R R R R R R R R R R R R R R R R R R	2.7Ω 1/2W J 82kΩ 1/16W J 22kΩ 1/16W J 22kΩ 1/16W J 100kΩ 1/16W J 470Ω 1/2W J 8.2kΩ 1/16W J 10kΩ 1/16W J 1.0Ω 1/2W J 2.7kΩ 1/16W J 1.0Ω 1/2W J 2.7kΩ 1/16W J 6.8kΩ 1/16W J 6.8kΩ 1/16W J 18Ω 2W J 270Ω 1/2W J 680Ω 3W J 330Ω 1/16W J 1.0 Ω 1/2W J 2.2Ω 1/4W J 680Ω 1/2W J 3.9kΩ 1/16W J 1.5Ω 2W J 2.2kΩ 1/16W J 3.9kΩ 1/16W J 2.2kΩ 1/16W J 4.7kΩ 1/16W J 2.2kΩ 1/16W J

[AV-21QMG3/U]

[AV-21QMG3/U]

∆ Symbol No.	Part No.	Part Name	Description	⚠ Symbol No.	Part No.	Part
CAPA	ACITOR		-	DIO	DE	
C1706 C1707 C1708 C1709 C1710 C1711 C1712 C1713 C1716 C1717 C1718 C1719 C1720 C1721 C1721 C1724 C1728 C1724 C1728 C1720 C1741 C1742 C1743 C1744 C1806 C1811 C1841 Δ C1907 Δ C1	QETNILM-477Z QETNIHM-1067 NCB31HK-152X QF29078-224 QC29015-102 QC29015-102 QC29015-102 QE20552-127 QF29078-473 QFLC1HJ-104Z QETNIHM-475Z QETNILM-476Z QFLC1HJ-332Z QFKAZJK-103 QCZ0364-681 NDC31HJ-221X QCZ0364-561 QEZ0203-107 QCB32HK-222Z QEHRIEM-108Z QETNILEM-108Z	MPF CAP. M CAP. E CAP. M CAP. C CAP. C CAP. C CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. E CAP. C CAP.	0.1µF 50V K 0.01µF 50V K 1000µF 10V M 0.01µF 50V K 1000µF 16V M 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 1800P 50V J 1800P 50V J 0.01µF 50V K 0.01µF 50V K 0.01µF 50V M 100P 50V J 1800P 50V J 0.01µF 50V M 10µF 50V M 0.01µF 50V M 0.01µF 50V M 0.01µF 50V M 10µF 50V M 0.01µF 50V M 10µF 50V M 100µFAC250V Z 1000µFAC25V Z 1000µFAC25V Z 1000µFAC25V Z 1000µFAC25V Z 1000µFAC25V Z 1000µF 50V M 1000µF 25V M	D1001 D1102 D1301 D1302 D1305 D1306 D1341 D1421 D1423 D1425 D1477 D1501 D1551 D1552 D1553 D1554 D1557 D1561 D1562 D1571 D1582 D1651 D1652 D1653 D1654 D1655 D1655 D1655 D1655 D1655 D1657 D1707 D1701 D1704 D1704 D1705 D1707 D1701 D1704 D1705 D1707 D1701 D1704 D1705 D1707 D1701 D1704 D1705 D1707 D1701 D1704 D1705 D1707 D1731 D1921 D1921 D1921 D1921 D1921 D1922 D1930 D1931 D1931 D1931 D1931 D1932 D1933 D19341 D1942 D1943 D1982 D1983 D1985 D1986	MTZJ33A-T2 MA859-T2 MTZJ9.1B-T2 MTZJ9.1B-T2 AK04-T2 QRE121J-121Y MA111-X MTZJ75-T2 1SR124-400A-T2 MA111-X MTZJ27B-T2 MTZJ6.8C-T2 RGP10J-5025-T3 RGP10J-5025-T3 MTZJ9.1B-T2 MA111-X 1SR124-400A-T2 1SR124-400A-T2 1SR124-400A-T2 1SR124-400A-T2 MTZJ7.55-T2 MTZJ9.1B-T2 MA111-X	ZENE SB C ZENE SB C SI SI SI ZENE SI ZENE SI ZENE SI ZENE SI ZENE SI ZENE SI ZENE SI SI SI ZENE SI ZENE SI SI SI SI SI ZENE SI
C1976 C1977	QETN1EM-227Z QETN1CM-227Z	E CAP. E CAP.	220μF 25V M 220μF 16V M		NSISTO	
C1978 C1979 C1981 A C1991 A C1992 A C1993	QETN1EM-2277 QETN1AM-2277 QETN1CM-1077 QCZ9079-102 QCZ9079-102 QCZ9079-222	E CAP. E CAP. E CAP. C CAP. C CAP. C CAP.	220µF 25V M 220µF 10V M 100µF 16V M 1000µFAC250V M 1000µFAC250V M 2200µFAC250V M	01102 01103 01161 01301 01302 01351 01352	2SC5083/L-P/-T UN2212-X 2SD601A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X STC344-T STC344-T	SI.T DIGI SI.T SI.T SI.T SI.T
TRAI	NSFORM	IER		01352 01353 01401 01402	STC344-T DTC124FSA-T	SI.T DIGI SI.T
T1501 \(\) T1522 \(\) T1921	QQR1244-001 QQH0131-001 QQS0161-001	DRIVE TRANSF. F.B.TRANSF. SW TRANSF.		Q1403 01404	2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SC2655/Y/-T	51.12 7.12 7.12 7.12
COII	_		_	01521 Δ 01522 01571	2SD2627-YB11 2SA1208/ST/Z1-T	POWE SI.T
L1001 L1101 L1103 L1351 L1352 L1353 L1354 L1701 L1701 L1941	QQL244K-8R2Z QQL244K-8R2Z IM-BW IM-BW IM-BW QQL2034-32O QQL244J-5R6Z QQL244J-5R6Z QQL244J-5R6Z	COIL COIL SUS WIRE BUS WIRE BUS WIRE BUS WIRE BUS WIRE INDUCTOR COIL	8.2µH К 2.2µH Ј 8.2µH К 5.6µH Ј 82µH К	01571 01552 01651 01653 01702 01703 01708 01709 01803 01804 01974	25M200/3/11-1 25D601A/QR/-X 25D601A/QR/-X 25B709A/QR/-X 25D601A/QR/-X 25D601A/QR/-X UN2212-X 25B709A/QR/-X 25C1815/YG/-T 25D601A/QR/-X 25A966/QY/-T	SI.T SI.T SI.T SI.T SI.T SI.T SI.T SI.T

<u> </u>	Symbol No.	Part No.	Part Name	Description
	DIOD	E		
Δ	D1001 D11002 D13012 D13012 D1302 D1302 D1303 D1305 D1341 D1421 D14213 D1425 D1427 D1501 D1551 D1553 D1553 D1553 D15553 D15551 D15551 D15551 D15552 D15553 D1557 D1561 D1561 D1571 D1581 D1655 D16562 D16707 D1731 D1901 D1707 D1731 D1901 D1901 D1901 D1902 D1903 D1903 D1904 D1903 D1904 D1903 D1904 D1908 D1908 D1908 D1908 D1908 D1908 D1908	MTZJ33A-T2 MAS59-T2 MTZJ9.1B-T2 MTZJ9.1B-T2 MTZJ9.1B-T2 MTZJ9.1B-T2 MA111-X MTZJ75-T2 1SR124-400A-T2 MA111-X MTZJ27B-T2 MTZJ6.8C-T2 RGP10J-5025-T3 RGP10J-5025-T3 RGP10J-5025-T3 MTZJ9.1B-T2 MA111-X 1SR124-400A-T2 MTZJ7.5S-T2 MTZJ20B-T2 RGP10J-5025-T3 MTZJ9.1B-T2 MA111-X MTZJ7.5S-T2 MTZJ20B-T3 RGP10J-5025-T3 MA111-X MTZJ12C-T2 MA111-X	ZENER DIODE SI, DIODE ZENER DIODE ZENER DIODE SB DIODE C R SI, DIODE ZENER DIODE SI, DIODE SI, DIODE ZENER DIODE SI, DIODE ZENER DIODE SI, DIODE	120Ω 1/2W J
	TRAN	SISTOR	2	
Δ	01102 01103 01161 01301 01352 01353 01353 01401 01402 01403 01521 01521 01522 01571 01651 01653 01702 01703 01709 01803 01709 01804 01974 01975	2SC5083/L-P/-T UN2212-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SD601A/QR/-X 5TC344-T 5TC344-T 5TC344-T 5TC344-T 5TC344-T 5D601A/QR/-X 2SA966/OY/-T UN2212-X 2SA966/OY/-T UN2212-X 2SC2785/JH/-T	SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR SI.TRANSISTOR DIGI.TRANSISTOR SI.TRANSISTOR	H.OUT

[AV-21QMG3/U]

∆ Symbol No.	Part No.	Part Name	Description
IC			
IC1301 IC1421 IC1651 ▲ IC1701 IC1702 IC1703 IC1704 ▲ IC1921 IC1971 IC1972	NN5198K AN5522 AN5565 AN5665 A	I C I C I C I C (MCU) I C I C IR DETECT UNIT I C I C I C	(SERVICE)
ОТНЕ	RS		
CF1161 CP1701 Δ CP1981 Δ P1982 Δ F1901 FC1901 Δ FR1556 Δ FR1556 Δ FR1557 J1002 J1003 J1004 Δ J1005 Κ1001 Κ1351 Κ1421 Κ1701 Κ1703 Κ1704 Κ1901 Κ1902 Κ1941 Κ1902 Κ1941 Κ1942 Κ1941 Κ1902 Κ1941 Κ19101 ΓΕ1901 ΓΕ190	LC30114-001C-H CM35931-B02 QAX0642-001Z IM-BW ICP-NZ5-Y	LED HOLDER CDS HOLDER C FILTER BUS WIRE I.C. PROTECT I.C. PROTECT FUSE FUSE CLIP F R C R PIN JACK PIN JACK PIN JACK PIN JACK BUS WIRE FERRITE BEADS FERRITE	3.15A 4.7 Ω 1/4W J 2.2Ω 1/4W J or CEMN065-001 or CEMN065-002 or QNZ0536-001 or QAD0119-9R0 or QAF0052-621

PRINTED WIRING BOARD PARTS LIST

[AV-2115EE]

MAIN P.W. BOARD ASS'Y (SCG-1442A)

⚠ Symbol No.	Part No.	Part Name	Description	∆ Symbol No.	Part No.	Part Name	Description
RES	STOR			RESI	ISTOR		
R1002 R1003	NRSA63J-221X NRSA63J-221X	MG R MG R	220Ω 1/16W J 220Ω 1/16W J	R1502 R1503	NRSA63J-OROX NRSA63J-682X	MG R MG R	0.0Ω 1/16W J 6.8kΩ 1/16W J
R1004	NRSA63J-563X	MG R	56kΩ 1/16W J	R1525	QRL029J-180	OM R	18Ω 2W J
R1102 R1103	NRSA63J-750X NRSA63J-100X	MG R MG R	75Ω 1/16W J 10Ω 1/16W J	R1526 R1529	QRE121J-271Y QRL039J-681	C R OM R	270Ω 1/2W J 680Ω 3W J
R1109	NRSA63J-682X	MG R	6.8kΩ 1/16W J	R1531	NRSA63J-331X	MG R	330Ω 1/16W J
R1110 R1111	NRSA63J-272X NRSA63J-181X	MG R MG R	2.7kΩ 1/16W J 180Ω 1/16W J	R1532 ⚠ R1551	NRSA63J-102X QRZ9011-1R0	MG R F R	1kΩ 1/16W J 1.0 Ω 1/2W J
R1112	NRSA63J-100X	MG R	10Ω 1/16W J	R1552	QRJ146J-2R2X QRE121J-681Y	F R C R	1.0 Ω 1/2W J 2.2Ω 1/4W J
R1113 R1120	NRSA63J-101X NRSA63J-391X	MG R MG R	100Ω 1/16W J 390Ω 1/16W J	R1554 R1571	QRE121J-681Y QRE121J-222Y	C R C R	680Ω 1/2W J 2.2kΩ 1/2W J
R1121	NRSA63J-221X NRSA02J-184X	MG R	220Ω 1/16W J	R1573	QRE121J-222Y QRT029J-1R5 QRT029J-1R5	C R MF R MF R	2.2kΩ 1/2W J 1.5Ω 2W J
R1159 R1301	NRSA63J-221X	MG R MG R	180kΩ 1/10W J 220Ω 1/16W J	R1574 R1576	QRE121J-223Y	C R	1.5Ω 2W J 22kΩ 1/2W J
R1302	NRSA63J-472X	MG R MG R	4.7kΩ 1/16W J	R1577 R1578	NRSA63J-392X	MG R MG R	3.9kΩ 1/16W J
R1303 R1304	NRSA63J-101X NRSA63J-101X	MG R	100Ω 1/16W J 100Ω 1/16W J	R1581	NRSA63J-103X QRE121J-182Y	C R	10kΩ 1/16W J 1.8kΩ 1/2W J
R1305 R1306	NRSA63J-101X NRSA63J-221X	MG R MG R	100Ω 1/16W J 220Ω 1/16W J	R1582 R1583	NRSA63J-223X NRSA63J-393X	MG R MG R	22kΩ 1/16W J 39kΩ 1/16W J
R1307	NRSA63J-122X	MG R	1.2kΩ 1/16W J	R1651 R1652	NRSA63J-472X NRSA63J-102X	MG R MG R	4.7kΩ 1/16W J
R1308 R1312	NRSA63J-182X NRSA63J-OROX	MG R MG R	1.8kΩ 1/16W J 0.0Ω 1/16W J	R1652 R1653	NRSA63J-102X NRSA63J-331X	MG R MG R	1kΩ 1/16W J 330Ω 1/16W J
R1313	NRSA63J-102X	MG R	1kΩ 1/16W J	R1654 R1655	NRSA63J-223X NRSA63J-473X	MG R MG R	22kΩ 1/16W J
R1314 R1321	NRSA63J-102X NRSA63J-152X	MG R MG R	1kΩ 1/16W	R1655 R1656	NRSA63J-473X NRSA63J-822X	MG R MG R	47kΩ 1/16W J 8.2kΩ 1/16W J
R1322	NRSA63J-272X	MG R	2.7kΩ 1/16W J	R1657	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R1323 R1324	NRSA63J-103X NRSA63J-102X	MG R MG R	10kΩ 1/16W	R1658 R1659	NRSA63J-222X QRE121J-4R7Y	MG R C R	2.2kΩ 1/16W J 4.7Ω 1/2W J
R1326	NRSA63J-101X	MG R MG R	100Ω 1/16W J	R1660	NRSA63J-153X QRE121J-271Y	MG R	15kΩ 1/16W J
R1327 R1341	NRSA02J-475X NRSA63J-332X	MG R MG R	4.7MΩ 1/10W J 3.3kΩ 1/16W J	R1661 R1662	ORE121J-271Y	C R C R	270Ω 1/2W J 270Ω 1/2W J
R1341 R1347	NRSA63J-332X NRSA63J-392X	MG R	3.9kΩ 1/16W J	R1664	NRSA63J-682X	MG R	6.8kΩ 1/16W J
R1349 R1351 R1352	NRSA63J-472X NRSA63J-151X	MG R MG R	4.7kΩ 1/16W J 150Ω 1/16W J 150Ω 1/16W J	R1665 R1666	NRSA63J-103X NRSA63J-101X	MG R MG R	10kΩ 1/16W J 100Ω 1/16W J
R1352 R1353	NRSA63J-151X NRSA63J-151X NRSA63J-151X	MG R MG R	150Ω 1/16W J 150Ω 1/16W J	R1667 ⚠ R1668	QRE121J-101Y QRT029J-5R6	C R MF R	100Ω 1/2W J 5.6Ω 2W J
R1354	NRSA63J-331X	MG R	330Ω 1/16W J	R1701	NRSA63J-562X	MG R	5.6kΩ 1/16W J
R1355 R1356	NRSA63J-331X NRSA63J-331X	MG R MG R	330Ω 1/16W J 330Ω 1/16W J	R1702 R1703	NRSA63J-682X NRSA63J-392X	MG R MG R	6.8kΩ 1/16W J 3.9kΩ 1/16W J
R1357	NRSA63J-101X	MG R	100Ω 1/16W J	R1704	NRSA63J-221X	MG R	220Ω 1/16W J
R1358 R1359	NRSA63J-101X NRSA63J-101X	MG R MG R	100Ω 1/16W J 100Ω 1/16W J	R1705 R1706	NRSA63J-221X NRSA63J-561X	MG R MG R	220Ω 1/16W J 560Ω 1/16W J
R1360 R1361	QRZ0107-152Z	C R	1.5kΩ 1/2W K	R1707	NRSA63J-561X	MG R	560Ω 1/16W J 560Ω 1/16W J
R1361 R1362	QRZ0107-152Z QRZ0107-152Z	C R C R	1.5kΩ 1/2W K 1.5kΩ 1/2W K	R1708 R1709	NRSA63J-102X NRSA63J-472X	MG R MG R	1kΩ 1/16W J 4.7kΩ 1/16W J
R1363 R1364	QRL029J-123	OM R OM R	12kΩ 2W J	R1710	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1365	QRL029J-123 QRL029J-123	OM R	12kΩ 2W J	R1711 R1712	NRSA63J-472X NRSA63J-472X	MG R MG R	4.7kΩ 1/16W J 4.7kΩ 1/16W J
R1366 R1367	NRSA63J-182X NRSA63J-182X	MG R MG R	1.8kΩ 1/16W J 1.8kΩ 1/16W J	R1713 R1714	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1368	NRSA63J-182X	MG R	1.8kΩ 1/16W J	R1715	NRSA63J-472X NRSA63J-221X	MG R MG R	4.7kΩ 1/16W J 220Ω 1/16W J
R1372 R1374	NRSA63J-0R0X	MG R MG R	0.0Ω 1/16W J 3.9kΩ 1/16W J	R1716 R1718	NRSA63J-221X	MG R MG R	220Ω 1/16W J 560Ω 1/16W J
R1401	NRSA63J-392X NRSA63J-103X	MG R	10kΩ 1/16W J	R1719	NRSA63J-561X NRSA63J-102X	MG R	1kΩ 1/16W J
R1421 R1423	NRSA63J-472X NRSA63J-OROX	MG R MG R	4.7kΩ 1/16W J 0.0Ω 1/16W J	R1720 R1721	NRSA63J-472X NRSA63J-103X	MG R MG R	4.7kΩ 1/16W J 10kΩ 1/16W J
R1424	NRSA63J-OROX	MG R	0.0Ω 1/16W J	∆ R1723	QRL039J-270	OM R	27Ω 3W J
R1425 R1426	NRSA63J-332X NRSA63J-OROX	MG R MG R	3.3kΩ 1/16W J 0.0Ω 1/16W J	R1725 R1726	NRSA63J-102X NRSA63J-472X	MG R MG R	1kΩ 1/16W J 4.7kΩ 1/16W J
R1429	NRSA63J-103X	MG R	10kΩ 1/16W J 82kΩ 1/16W J	R1727	NRSA63J-153X	MG R	15kΩ 1/16W J
R1430 R1431	NRSA63J-823X NRSA63J-103X	MG R MG R	10kΩ 1/16W J	R1728 R1729	NRSA63J-102X NRSA63J-102X	MG R MG R	1kΩ 1/16W J 1kΩ 1/16W J
R1432	QRE121J-3R9Y	C R	3.9Ω 1/2W J	R1730	NRSA63J-103X	MG R	10kΩ 1/16W J
R1433 R1436	QRE121J-2R7Y NRSA63J-823X	C R MG R	2.7Ω 1/2W J 82kΩ 1/16W J	R1731 R1736	NRSA63J-472X NRSA63J-823X	MG R MG R	4.7kΩ 1/16W J 82kΩ 1/16W J
R1437 R1438	NRSA63J-822X NRSA63J-223X	MG R MG R	8.2kΩ 1/16W J 22kΩ 1/16W J	R1737 R1738	NRSA63J-104X NRSA63J-103X	MG R MG R	100kΩ 1/16W J 10kΩ 1/16W J
R1439	NRSA63J-104X	MG R	100kΩ 1/16W J	R1739	NRSA63J-103X	MG R	10kΩ 1/16W J
R1440 R1441	QRE121J-471Y NRSA63J-822X	C R MG R	470Ω 1/2W J 8.2kΩ 1/16W J	R1740 R1741	NRSA63J-392X NRSA63J-561X	MG R MG R	3.9kΩ 1/16W J 560Ω 1/16W J
R1442	NRSA63J-103X	MG R	10kΩ 1/16W J	R1742	NRSA63J-563X	MG R	56kΩ 1/16W J
R1443 R1453	QRE121J-1ROY NRSA63J-272X	C R MG R	1.0Ω 1/2W J 2.7kΩ 1/16W J	R1746 R1747	NRSA63J-103X NRSA63J-0R0X	MG R MG R	10kΩ 1/16W J 0.0Ω 1/16W J
11273	MISHOSS EIEM	11 0 11	2.7100 2/10H J	112/7/	MONOS VIVA	110 11	0.022 1/10H J

[AV-2115EE]

Symbol No.	Part No.	Part Name	Description
RESI	STOR		
R1748	NRSA63J-101X	MG R	100Ω 1/16W J
R1749	NRSA63J-472X	MG R	4.7kΩ 1/16W J 820Ω 1/16W J
R1771 R1772	NRSA63J-821X NRSA63J-821X	MG R MG R	820Ω 1/16W J 820Ω 1/16W J
R1772 R1791	NRSA63J-221X	MG R	220Ω 1/16W J
R1792	NRSA63J-221X	MG R	220Ω 1/16W J
R1793	NRSA63J-221X	MG R	220Ω 1/16W J
R1794	NRSA63J-221X	MG R	220Ω 1/16W J
R1795 R1796	NRSA63J-221X NRSA63J-103X	MG R MG R	220Ω 1/16W J 10kΩ 1/16W J
R1797	NRSA63J-153X	MG R	15kΩ 1/16W J
R1802	NRSA63J-750X	MG R	75Ω 1/16W J
R1806	QRE121J-271Y	C R	270Ω 1/2W J
R1807 R1810	NRSA63J-680X QRG01GJ-560	MG R OM R	68Ω 1/16W J 56Ω 1W J
R1811	NRSA63J-221X	MG R	220Ω 1/16W J
R1815	QRE121J-181Y	C R	180Ω 1/2W J
R1816	NRSA63J-681X	MG R	680Ω 1/16W J
R1817	NRSA63J-472X	MG R	4.7kΩ 1/16W J
R1901 R1903	QRF104K-3R9 QRL029J-104	UNF R OM R	3.9Ω 10W K 100kΩ 2W J
R1906	QRL029J-104 QRL029J-104	OM R	100kΩ 2W J
R1921	QRE121J-2R2Y	C R	2.2Ω 1/2W J
R1922	QRE121J-221Y	C R	220Ω 1/2W J
R1923	QRM034J-R22	MP R	0.22Ω 3W J
R1928 R1933	QRL039J-683 QRE121J-4R7Y	OM R C R	68kΩ 3W J 4.7Ω 1/2W J
R1934	NRSA63J-683X	MG R	68kΩ 1/16W J
R1935	QRE121J-392Y	CR	3.9kΩ 1/2W J
R1974	NRSA63J-222X	MG R	2.2kΩ 1/16W J
R1976 R1977	QRL029J-120 QRE121J-122Y	OM R C R	12Ω 2W J 1.2kΩ 1/2W J
R1978	NRSA63J-473X	MG R	47kΩ 1/16W J
R1979	QRL039J-470	OM R	47Ω 3W J
R1980	QRL029J-152	OM R	1.5kΩ 2W J
R1991	QRZ9046-825Z	C R	8.2MΩ 1/2W K
C/ (; /		•	
C1001	OFTN1HM-1067	E CAP	10E 50V M
C1001 C1002	QETN1HM-106Z NCB31HK-103X	E CAP. C CAP.	10μF 50V M 0.01μF 50V K
C1001 C1002 C1004	QETN1HM-106Z NCB31HK-103X QETN1CM-477Z	C CAP. E CAP.	0.01μF 50V K 470μF 16V M
C1002 C1004 C1005	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z	C CAP. E CAP. MF CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J
C1002 C1004 C1005 C1008	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z	C CAP. E CAP. MF CAP. E CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M
C1002 C1004 C1005 C1008 C1103	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z	C CAP. E CAP. MF CAP. E CAP. E CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 47µF 25V M
C1002 C1004 C1005 C1008 C1103 C1104 C1105	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X	C CAP. E CAP. MF CAP. E CAP. C CAP. C CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 47µF 25V M 4700pF 50V K 4700pF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X	C CAP. E CAP. MF CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 50V K 4700µF 50V K 4700µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X	C CAP. E CAP. MF CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 47µF 25V M 4700pF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106	NCB31HK-103X QETN1CM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X	C CAP. E CAP. MF CAP. E CAP. E CAP. C CAP. C CAP. C CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 50V K 4700µF 50V K 4700µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1111 C1112 C1113	NCB31HK-103X QETM1CM-4772 QFV71HJ-104Z QETM1HW-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NRSAG3J-0ROX QETM1EM-476Z NCB31HK-472X	C CAP. E CAP. MF CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700µF 50V K 0.0Q 1/16W J 47µF 25V M
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C11113 C1114	NCB31HK-103X QETM1CM-477Z QFV7HJ-104Z QETM1HH-475Z QETM1HH-475Z QETM1EH-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X	C CAP. E CAP. MF CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115	NCB31HK-103X QETN1LM-477Z QFV71HJ-104Z QETN1HM-475Z QETN1HM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NRSA63J-0ROX QETN1EM-476Z NCB31HK-103X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117	NCB31HK-103X QETM1HM-475Z QFV71HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QFV71HJ-224Z	C CAP. E CAP. B CAP. E CAP. C CAP. MG R E CAP. C CAP. C CAP. C CAP. C CAP. C CAP. C CAP. MF CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 470µF 50V K 4700µF 50V K 4700µF 50V K 4700µF 50V K 0.0Ω 1/16W J 47µF 25V M 4700µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1117	NCB31HK-103X QETM1HM-477Z QFV71HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETM1HM-474Z	C CAP. E CAP. MF CAP. E CAP. C CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C1117 C1117 C1117 C1119 C119	NCB31HK-103X QETM1CM-477Z QFV71HJ-104Z QETM1HM-475Z QETM1HM-475Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1112 C1113 C1114 C1115 C1116 C1117 C11117	NCB31HK-103X QETM1HM-477Z QFV71HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETM1HM-474Z	C CAP. E CAP. MF CAP. E CAP. C CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1121 C1121 C1122 C1162	NCB31HK-103X QETM1HM-475Z QETV1HJ-104Z QETN1HM-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V J 0.47μF 50V J 0.47μF 50V M 120ρF 50V K 0.01μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C11107 C11110 C11112 C11113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1122 C1121 C1122 C11301	NCB31HK-103X QETM1CM-477Z QFV7HJ-104Z QETM1HH-475Z QETM1HH-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-152X NCB31HK-152X NCB31HK-152X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 47µF 25V M 4700pF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K 0.00 1/16W J 47µF 25V M 4700pF 50V K 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1111 C1111 C1111 C1111 C1111 C1111 C1111 C1112 C1112 C1112 C1113 C1114 C1115 C1111 C1117 C1119 C1120 C1120 C1120 C1121 C1121 C1122 C1162 C1301 C1302	NCB31HK-103X QETM1CM-4772 QETM1HM-475Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X QETM1EM-476Z QETM1HM-474Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-123X NCB31HK-123X NCB31HK-123X QETM1HM-475Z	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700µF 50V K 4700µF 50V K 4700µF 50V K 0.0Ω 1/16W J 47µF 25V M 4700µF 50V K 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1110 C1111 C11113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1121	NCB31HK-103X QETM1CM-477Z QFV7HJ-104Z QETM1HH-475Z QETM1HH-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-152X NCB31HK-152X NCB31HK-152X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 47µF 25V M 4700pF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K 0.00 1/16W J 47µF 25V M 4700pF 50V K 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1111 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1120 C1120 C1121 C1122 C1301 C1302 C1303 C1304 C1305	NCB31HK-103X QETM1CM-477Z QFV71HJ-104Z QETM1HH-475Z QETM1HH-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V M 120ρF 50V J 0.47μF 50V K 0.012μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1120 C1120 C1120 C1301 C1302 C1303 C1304 C1305 C1306	NCB31HK-103X QETM1CM-4772 QFTV1HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700µF 50V K 4700µF 50V K 4700µF 50V K 4700µF 50V K 0.0Ω 1/16W J 47µF 25V M 4700µF 50V K 0.01µF 50V M 120µF 50V J 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V J 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C113 C114 C1150 C1107 C1109 C1107 C1109 C1107 C1109 C1107 C1109 C1101 C1109 C1101 C	NCB31HK-103X QETM1CM-477Z QFV71HJ-104Z QETN1HW-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HJ-100X QETN1HH-474Z NCB31HK-103X QETN1HH-474Z NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 50V K 4700PF 50V K 4700PF 50V K 4700PF 50V K 4700PF 50V K 0.0Ω 1/16W J 47µF 25V M 4700PF 50V K 0.01µF 50V M 120PF 50V J 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C1111 C1111 C1111 C1111 C1111 C1112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1162 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1308 C1309	NCB31HK-103X QETM1CM-4772 QFTV1HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X NCB31HK-12X	C CAP. E CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700µF 50V K 4700µF 50V K 4700µF 50V K 4700µF 50V K 0.00 1/16W J 47µF 25V M 4700µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V M 0.02µF 50V J 0.47µF 50V M 120µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V J 0.47µF 50V M 100µF 50V K 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1120 C1120 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1307 C1308 C1307 C1309 C1310	NCB31HK-103X QETM1CM-477Z QFV71HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-476Z NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700pF 50V K 4700pF 50V K 4700pF 50V K 0.00 1/16W J 47µF 25V M 4700pF 50V K 0.01µF 50V M 120pF 50V J 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V J 0.01µF 50V K 0.01µF 50V M
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1162 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1311	NCB31HK-103X QETM1CM-4772 QFV71HJ-104Z QETM1HW-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700pF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K 0.00 1/16W J 47µF 25V M 4700pF 50V K 0.01µF 50V M 120pF 50V J 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1120 C1121 C1303 C1304 C1305 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1311 C1311 C1312	NCB31HK-103X QETM1CM-4772 QFV71HJ-104Z QETN1HW-475Z QETN1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	0.01μF 50V K 470μF 16V M 0.1μF 50V J 4.7μF 50V M 47μF 25V M 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 4700ρF 50V K 0.0Ω 1/16W J 47μF 25V M 4700ρF 50V K 0.01μF 50V M 120ρF 50V J 0.47μF 50V M 120ρF 50V J 0.01μF 50V K 0.01μF 50V M 0.01μF 50V J 0.47μF 50V M 0.01μF 50V M 0.01μF 50V K 470μF 16V M 0.01μF 50V K 420ρF 50V J 0.01μF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1121 C1120 C1303 C1304 C1305 C1306 C1307 C1308 C1307 C1308 C1310 C1311	NCB31HK-103X QETM1CM-4772 QFV71HJ-104Z QETM1HW-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700pF 50V K 4700pF 50V K 4700pF 50V K 4700pF 50V K 0.00 1/16W J 47µF 25V M 4700pF 50V K 0.01µF 50V M 120pF 50V J 0.01µF 50V K
C1002 C1004 C1005 C1008 C1103 C1104 C1105 C1106 C1107 C1110 C11112 C1113 C1114 C1115 C1116 C1117 C1119 C1120 C1121 C1122 C1162 C1301 C1302 C1303 C1304 C1305 C1306 C1307 C1308 C1309 C1310 C1310 C1311 C1312 C1312 C1311	NCB31HK-103X QETM1CM-4772 QFV71HJ-104Z QETM1HM-475Z QETM1EM-476Z NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-472X NCB31HK-103X	C CAP. E CAP. E CAP. E CAP. C CAP.	0.01µF 50V K 470µF 16V M 0.1µF 50V J 4.7µF 50V M 470µF 25V M 4700µF 50V K 4700µF 50V K 4700µF 50V K 4700µF 50V K 0.00 1/16W J 47µF 25V M 4700µF 50V K 0.01µF 50V M 120µF 50V J 0.47µF 50V M 120µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 0.01µF 50V J 0.47µF 50V M 100µF 50V K 0.01µF 50V K

<u></u>	bol No.	Part No.	Part Name	Description
C	ΑP	ACITOR	2	
C1: C1: C1: C1: C1: C1: C1: C1: C1: C1:	17 21 22 23 24 25 26 41 55 55 55 56 57 66 66	NCB31EK-473X NDC31HJ-120X NCB31EK-273X QETN1HH-474Z QETN1HH-106Z QENC1HH-106Z QEZ1HJ-221X QETN1HH-106Z QFZ0037-103 NDC31HJ-271X NDC31HJ-221X NDC31HJ-331X QETN1AH-477Z QENC1HM-105Z QENC1HM-105Z	C CAP. C CAP. E CAP. E CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP.	0.047µF 25V K 12pF 50V J 0.027µF 25V K 0.47µF 50V M 10µF 50V M 220pF 50V J 10µF 50V M 0.01µF 1250V K 270pF 50V J 220pF 50V J 330pF 50V J 470µF 10V M 1µF 50V M
C1: C14	01 23 24 26 27 28 29 30 33 33 33 33 36 37 01 02 03 23 25	QENC1HM-105Z QFV71HJ-474Z QCS3ZHJ-180Z QFLC2AJ-103Z QFLC1HJ-102Z QETN1VM-107Z QETN1VM-107Z QETN1HM-106Z QFLC2AJ-47ZZ QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z NCB31HK-104X QETN1AM-477Z NCB31HK-103X QETN1HM-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-476Z QETN1HM-476Z QFT0200-103	E CAP. MF CAP. C CAP. M CAP. E CAP. E CAP. E CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP. E CAP. E CAP. DE CAP. E CAP. C CAP. E CAP. E CAP. E CAP. E CAP.	1µF 50V M 0.47µF 50V J 18pF 500V J 0.01µF 100V J 1000pF 50V J 100µF 35V M 100µF 35V M 100µF 35V M 200µF 25V M 4700pF 100V J 4.7µF 50V M 2200µF 25V M 0.33µF 50V J 0.1µF 50V K 470µF 10V M 0.01µF 50V K
C1:	277 229 352 554 555 577 777 81 552 554 555 556 664 665 601 005 607	QFLC1HJ-103Z QFZ0199-434 QFLC2AJ-102Z QEZ0203-107 QETM1VM-108 QETN2EM-475Z QFLC2AJ-104Z QETN1HM-107Z QETN1HM-107Z QETN1HM-107Z QFV71HJ-104Z QFV71HJ-106Z QETN1HM-106Z QETN1HM-106Z QETN1HM-105Z QETN1HM-105Z QETN1HM-107Z QETN1HM-107Z QETN1HM-475Z QETN1HM-475Z QETN1HM-475Z NCB31HK-103X QETN1CM-477Z NCB31HK-103X QETN1CM-477Z NCB31HK-103X QETN1CM-477Z NCB31HK-104X NCB31HK-103X QETN1CM-477Z NCB31HK-104X NCB31HK-103X QETN1CM-103X QETN1CM-103X QETN1CM-103X QETN1CM-103X QETN1CM-103X QETN1CM-103X QETN1CM-103X	M CAP. MPP CAP. M CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP.	0.01µF 50V J 0.43µF 250V J 1000pF 100V J 100µF 160V M 1000µF 35V M 4.7µF 250V M 0.1µF 100V J 100µF 50V M 100µF 50V M 0.1µF 50V M 0.1µF 50V M 47µF 25V M 0.1µF 50V K 10µF 50V M 100µF 16V M 0.1µF 50V M 100µF 16V M 0.1µF 50V K 100µF 16V M 0.1µF 50V K 100µF 16V M 0.1µF 50V K 100µF 16V M
C1: C1: C1: C1: C1: C1: C1: C1: C1: C1:	10 11 12 13 16 17 18 19 20 21 22 24 28 29 30	QETN1CM-1077 NCB31HK-103X NCB31HK-103X NCB31HK-103X NDC31HJ-181X NDC31HJ-181X NCB31HK-103X QETN1HM-105Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NCB31HJ-101X NDC31HJ-101X NDC31HJ-101X NDC31HJ-181X NDC31HJ-181X NCB31HK-103X QETN1HM-106Z	E CAP. C CAP.	100µF 16V M 0.01µF 50V K 0.01µF 50V K 0.01µF 50V K 180pF 50V J 180pF 50V J 0.01µF 50V K 1µF 50V M 0.01µF 50V M 0.01µF 50V K 100pF 50V J 180pF 50V M

[AV-2115EE]

Δ Symbol No. Part No. Part Name Description CAPACITOR C1742 QETNIHM-106Z E CAP. 10μF 50V M C1743 QETNIHM-106Z E CAP. 10μF 50V M C1805 QETNICH-2277 E CAP. 0.01μF 50V M C1806 QETNICH-2777 E CAP. 470μF 16V M C1811 QETNIHM-106Z E CAP. 10μF 50V M C1811 QETNICH-4777 E CAP. 10μF 50V M C1811 QETNICH-4777 E CAP. 1500pF 50V K C1811 QETNICH-152X C CAP. 1500pF 50V K C1940 QC29015-102 C CAP. 1000pFAC250V Z Δ C1904 QC29015-102 C CAP. 1000pFAC250V Z Δ C1905 QC25015-102 C CAP. 1000pFAC250V Z Δ C1909 QEZ0552-127 E CAP. QEZ0190-127 120μF 400V M C1922 QFLC1HJ-1047 M CAP. Q.047μFAC275V M AC1910 QEZ0197-127 QEZ0197-127 QUATPIACAC275V M AC1920 QUATPIACAC275V M QUATPIAC		[AV-21	15EE]		
C1742 QETNIHM-106Z E CAP. 10µF 50V M C1743 QETNIHM-106Z E CAP. 10µF 50V M C1744 NCB31HK-103X C CAP. 0.01µF 50V K C1805 QETNICM-227Z E CAP. 220µF 16V M C1806 QETNICM-477Z E CAP. 220µF 16V M C1811 QETNIHM-106Z E CAP. 10µF 50V K C1811 QETNIHM-106Z E CAP. 10µF 50V M C1901 QF29078-224 MPF CAP. 0.22µFAC275V M C1901 QF29078-224 MPF CAP. 0.22µFAC275V M C1901 QF29078-102 C CAP. 10000FAC250V Z A C1907 QC29015-102 C CAP. 10000FAC250V Z A C1909 QF2055-107 E CAP. 10000FAC250V Z A C1909 QF2055-107 E CAP. 0.047µFAC275V M C1910 QF29078-473 MPF CAP. 0.047µFAC275V M C1910 QF29078-473 MPF CAP. 0.1µF 50V J C1912 QF(C1H)-104Z M CAP. 0.1µF 50V J C1912 QF(C1H)-104Z M CAP. 0.1µF 50V J C1915 QETNIVM-476Z E CAP. 4.7µF 50V M C1915 QETNIVM-476Z E CAP. 4.7µF 35V M C1916 QF(C1H)-332Z M CAP. 3300pF 50V J C1919 QFAC2XL-103 MM CAP. 0.01µF 630V K C1919 QFAC2XL-103 MM CAP. 0.01µF 630V K C1919 QFAC2XL-103 MM CAP. 0.01µF 630V K C1911 QC20364-561 C CAP. 680pF 2kV K C1914 QF20203-107 E CAP. 100µF 160V M C1914 QC20364-561 C CAP. 560pF 2kV K C1914 QC20364-561 C CAP. 100µF 25V M C1914 QC3064-561 C CAP. 100µF 25V M C1914 QC3064-561 C CAP. 2200pF 50V J C1914 QC3064-561 C CAP. 100µF 25V M C1914 QC3064-561 C CAP. 100µF 25V M C1914 QC3064-561 C CAP. 2200pF 50V J C1914 QC3064-561 C CAP. 100µF 25V M C1914 QC3064-5	Δ	Symbol No.	Part No.	Part Name	Description
T1501 QQR1244-001 DRIVE TRANSF. Δ T1522 QQH0131-001 F.B.TRANSF. COIL 8.2μH K L1001 QQL244K-8R2Z COIL 8.2μH K L1101 QQL244J-2R2Z COIL 2.2μH J L1103 QQL244K-8R2Z COIL 8.2μH K L1351 IM-BW BUS WIRE BUS WIRE L1352 IM-BW BUS WIRE BUS WIRE L1353 IM-BW BUS WIRE BUS WIRE L1354 IM-BW BUS WIRE BUS WIRE L1551 QQL2034-320 INDUCTOR INDUCTOR L1701 QQL244J-5R6Z COIL 5.6μH J L1941 QQL26AK-820Z COIL 8.2μH K	AAAAAA	C1742 C1743 C1744 C1805 C1806 C1811 C1901 C1907 C1907 C1909 C1910 C1912 C1924 C1925 C1924 C1925 C1926 C1927 C1929 C1931 C1932 C1944 C1947 C1948 C1947 C1948 C1947 C1949 C1947 C1948 C1947 C1948 C1947 C1948 C1947 C1949 C1977 C1977 C1977 C1978 C1977 C1977 C1978 C1977 C1978 C1991 C1992 C1991 C1992 C1993	QETN1HM-106Z QETN1HM-106Z NCB31HK-103X QETN1CM-227Z QETN1CM-477Z QETN1HM-106Z NCB31HK-152X QFZ9015-102 QCZ9015-102 QCZ9015-102 QCZ9015-102 QEZ055Z-127 QFZ9078-473 QFLC1HJ-104Z QETN1HM-475Z QETN1HM-475Z QETN1HM-476Z QFLC1HJ-33ZZ QFLC1HJ-33ZZ QFLC1HJ-33ZZ QFLC1HJ-33ZZ QETN1HM-476Z QES20ZG-107 QCZ0364-681 NDC31HJ-221X QCZ0364-561 QEZ0203-107 QCB32HK-22ZZ QEHRIEM-108Z QCB32HK-22ZZ QETN1EM-108Z QCB32HK-2ZZZ QETN1EM-108Z QCB32HK-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QETN1EM-2ZZZZ QCZ9079-102 QCZ9079-102 QCZ9079-102 QCZ9079-2ZZZ	E CAP. C CAP. E CAP. E CAP. C CAP. MPF CAP. C CAP. C CAP. C CAP. C CAP. MRF CAP. C CAP. C CAP. E CAP. E CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. E CAP. C CAP. E CAP. C CAP. C CAP. E CAP. C CAP.	10µF 50V M 0.01µF 50V K 220µF 16V M 470µF 16V M 10µF 50V M 1500pF 50V K 0.22µFAC275V M 1000pFAC250V Z 1000pFAC250V Z 1000pFAC250V Z 1000pFAC250V Z 1000pFAC250V Z 4.7µF 50V M 4.7µF 50V M 4.7µF 50V M 4.7µF 50V M 4.7µF 35V M 3300pF 50V J 0.01µF 630V K 680pF 2kV K 220µF 50V J 560pF 2kV K 100µF 160V M 2200µF 160V M 2200µF 25V M 1000µF 25V M 1000µF 25V M 1000µF 25V M 220µF 50V J 220µF 50V J 220µF 50V K 1000µF 25V M 220µF 25V M
L1001 QQL244K-8R2Z COIL 8.2µH K L1101 QQL244J-2R2Z COIL 2.2µH J L1103 QQL244K-8R2Z COIL 8.2µH K L1351 IM-BW BUS WIRE L1352 IM-BW BUS WIRE L1353 IM-BW BUS WIRE L1354 IM-BW BUS WIRE L1355 IM-BW BUS WIRE L1355 IM-BW BUS WIRE L1354 IM-BW BUS WIRE L1355 IM-BW BUS WIRE L1356 IM-BW BUS WI		T1501 T1522	QQR1244-001 QQH0131-001	DRIVE TRANSF. F.B.TRANSF.	
L1101 QQL244J-2R2Z COIL 2.2μH J L1103 QQL244K-8R2Z COIL 8.2μH K L1352 IM-BW BUS WIRE L1353 IM-BW BUS WIRE L1354 IM-BW BUS WIRE L1354 IM-BW BUS WIRE L1351 QQL2034-320 INDUCTOR L1701 QQL244J-5R6Z COIL 5.6μH J L1941 QQL26AK-820Z COIL 82μH K	_				_
EIJTE QQEETTJ TIVIE INDUCTUR		L1001 L1101 L1103 L1351 L1352 L1353 L1354 L1551 L1701 L1941	QQL244K-8R2Z QQL244J-2R2Z QQL244K-8R2Z IM-BW IM-BW IM-BW IM-BW QQL244J-5R6Z QQL244J-5R6Z QQL264K-820Z	COIL COIL BUS WIRE BUS WIRE BUS WIRE BUS WIRE BUS WIRE INDUCTOR COIL COIL	2.2µH Ј 8.2µH К 5.6µH Ј

Δ	Symbol No.	Part No.	Part Name	Description
	DIOD	ÞΕ		
Δ	D1001 D1102 D1301 D1302 D1305 D1306 D1341 D1423 D1423 D1423 D1425 D1427 D1501 D1551 D1552 D1553 D1554 D1557 D1571 D1581 D1582 D1655 D1656 D1657 D1704 D1705 D1704 D1705 D1704 D1705 D1704 D1705 D1707 D1711 D1912 D1928 D1921 D1921 D1922 D1931 D1942 D1943 D1982	MTZJ33A-T2 IM-BW MTZJ9.1B-T2 MTZJ9.1B-T2 AK04-T2 QRE121J-121Y MA111-X MTZJ75-T2 ISR124-400A-T2 MA111-X MTZJ27B-T2 RCP10J-5025-T3 RCP10J-5025-T3 RCP10J-5025-T3 RTZJ9.1B-T2 MA111-X ISR124-400A-T2 MTZJ12B-T2 RGP10J-5025-T3 MA111-X	ZENER DIODE BUS WIRE ZENER DIODE ZENER DIODE C R SI. DIODE	120Ω 1/2W J
	TRAN	ISISTO	₹	
Δ	Q1102 Q1301 Q1302 Q1351 Q1352 Q1353 Q1401 Q1402 Q1403 Q1404 Q1521 Q1522 Q1571 Q1572 Q1651 Q1652 Q1703 Q1703 Q1708 Q1709 Q1803 Q1804 Q1975	2SC5083/L-P/-T 2SB709A/QR/-X 2SD601A/QR/-X STC344-T STC344-T STC344-T DTC124E5A-T 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X	SI.TRANSISTOR	H.OUT

56 No. 52027

[AV-2115EE]

Λ	Symbol No.	Part No.	Part Name	Description
<u>A</u>	IC1301 IC1421 IC1421 IC1651 IC1701 IC1702 IC1703 IC1704 IC1921 IC1971 IC1972	NN5198K AN5522 AN5265 MN1873287JK1 AT24C08-21DMG3 L78LR05E-MA PIC-47143SY STR-W5753A/F5 BA17809T	I C I C I C I C(MCU) I C I C IR DETECT UNIT I C I C	(SERVICE)
	ОТНЕ	RS		
<u>^</u>	CP1701 CP1981 CP1982 F1901 FC1901 FC1901 FR1557 J1002 J1003 J1004 K1001 K1351 K1701 K1701 K1703 K1704 K1902 K1942 K1943 LF1901 PC1701 S1702 S51704 S1705 S1901 S1702 SF1122 SK1351 TH1901 TP-476	LC30114-001C-H CM35921-B02 IM-BW ICP-N25-Y ICP-N75-Y QMF51E2-3R15J4 CEMG002-001Z QRJ146J-2R2X QNN0384-001 QNN0281-002 QNS0197-001 IM-BW QQR0621-002Z QQR1113-001Z IM-BW	LED HOLDER COS HOLDER BUS WIRE I.C.PROTECT I.C.PROTECT FUSE FUSE CLIP C R PIN JACK PIN JACK PIN JACK BUS WIRE FERRITE BEADS FERRITE BEADS BUS WIRE BUS WIRE BUS WIRE BUS WIRE FERRITE BEADS FERRITE BE	3.15A 2.2Ω 1/4W J or CEMN065-001 or CEMN065-002 VOL+ VOL- CH+ CH- CH- MENU POWER SW or QNZ0536-001 or QAD0119-9R0
<u>^^</u> <u>^^</u>	TP-E TU1001 VA1901 X1301 X1302 X1701	IM-BW QAU0282-001 ERZV10V621CS QAX0705-001Z CE41651-001Z QAX0307-001	BUS WIRE TUNER VARISTOR CRYSTAL X-TAL C RESONATOR	or QAF0052-621

PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description
1 2 3 4 5 6 7 7 7 7 7 7 7 7 7 7 7 8 8 8 8 8 8 9 9 10 11 11 11 11 12 12 14 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	GG10056-073A-H GG20025-001A-H GG20025-001A-H CG30967-003-H RM-C364GY-1H QPA02503505P LCT1188-001A-H LCT1188-001A-H LCT1196-001A-H LCT1196-001A-H LCT1196-001A-H LCT1197-001A-H LCT1197-001A-H LCT1197-001A-H LCT1197-001A-H	PACKING CASE CORNER LABEL CUSHION ASSY POLY BAG REMOCON UNIT POLY BAG INST BOOK INST B	2pcs in 1set 4pcs in 1set or CP30967-005-H AV-21Q3/D AV-21Q3/AU AV-21QMG3/AU AV-21QMG3/A AV-21QMG3/A AV-21DMG3/A AV-21DMG3/A AV-21QMG3/A AV-21QMG3/A AV-21QMG3/A AV-21QMG3/A AV-21QMG3/A AV-21Q3/AU AV-21Q3/AU AV-21Q3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU AV-21QMG3/AU

PACKING

